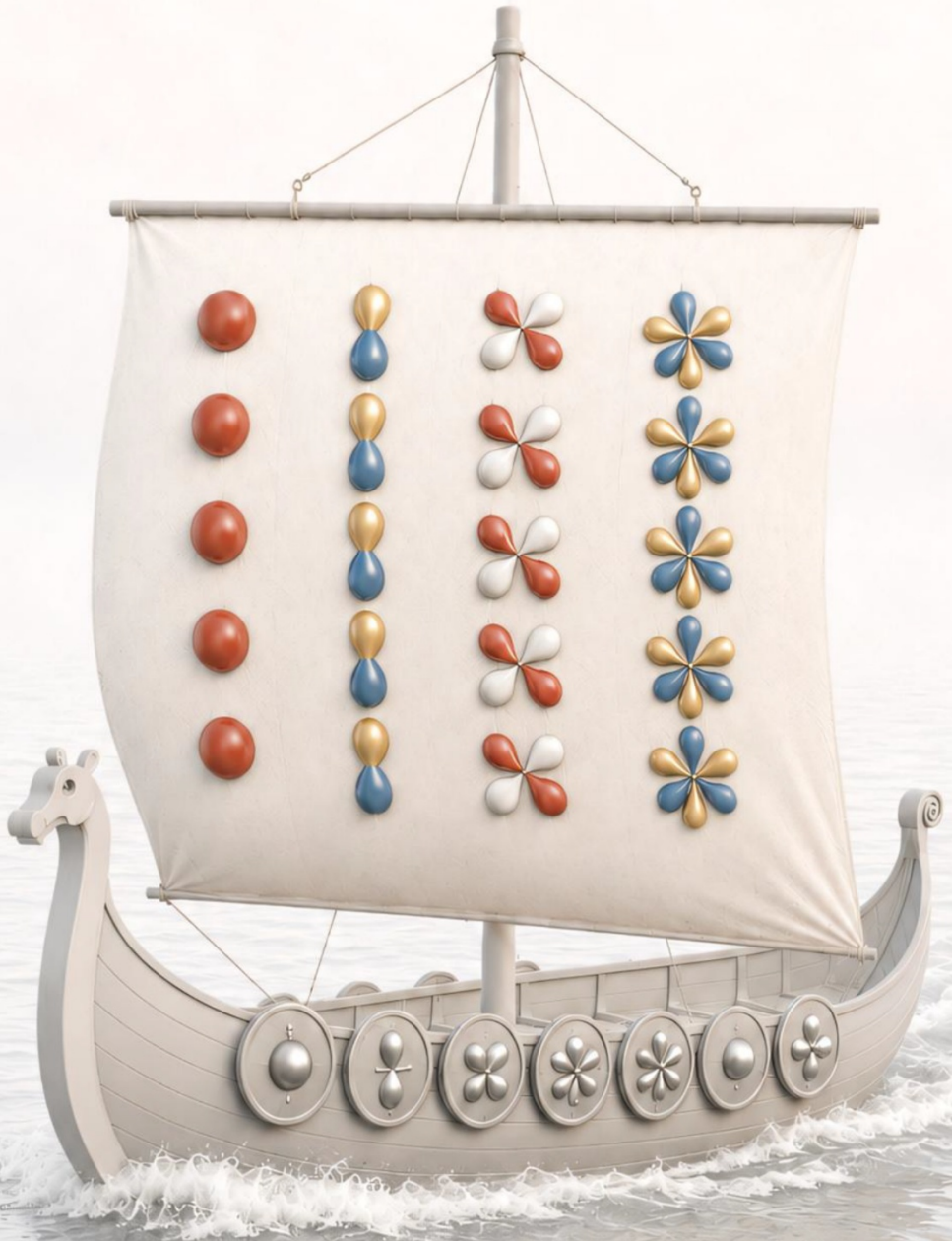
PROGRAM OVERVIEW



46th
International Conference on
Coordination Chemistry

ODENSE, DENMARK
JUNE 28TH-JULY 3RD 2026

	Symposium 0: Hall 2+4	Symposium 1: Hall 1	Symposium 2: K2	Symposium 3: K3	Symposium 4: K4	Symposium 5: Room 200	Symposium 6: Room 207	Symposium 7: Room 107	Symposium 8: Room 105+106	Symposium 9: Room B+C+D
Monday morning June 29th	Proton-coupled Electron Transfer Reactivity of Natural and Bioinspired Complexes-1	Design of Anti-Cancer and Other Therapeutics-1	Bioinspired Small Molecule Activation: Electronic Structure Governs Reactivity-1	Phosphorus in Low Valency and Low Coordination	Coordination Chemistry for Sustainability-1	Dynamic Electronic States and Phase Transitions in Metal Complexes-1	Confined Catalysis within Coordination Capsule-1	Coordination Cages-1	Quantum Bio-Inorganic Chemistry-1	Metal Oxo Clusters and Oligonuclear Oxo Complexes - from Building Blocks to Function-1
Monday afternoon June 29th	Proton-coupled Electron Transfer Reactivity of Natural and Bioinspired Complexes-2	Design of Anti-Cancer and Other Therapeutics-2	Bioinspired Small Molecule Activation: Electronic Structure Governs Reactivity-2	MIND Symposium-1	Coordination Chemistry for Sustainability-2	Dynamic Electronic States and Phase Transitions in Metal Complexes-2	Confined Catalysis within Coordination Capsule-2	Coordination Cages-2	Quantum Bio-Inorganic Chemistry-2	Metal Oxo Clusters and Oligonuclear Oxo Complexes - from Building Blocks to Function-2
Tuesday morning June 30th	O-O Bond Formation and Activation-1	Photophysics and Photochemistry of Transition Metal Complexes-1	Sustainable CO_2 Valorization through Electrocatalysis and Photocatalysis	MIND Symposium-2	Main Group Catalysis and Materials Science-1	Molecular Spin Qubits and Molecular Spintronics Based on Molecular Magnets-1	Inorganic and Hybrid Materials for Chemical Sensing Applications	Innovations in Reticular Synthesis and Framework Assembly	Advanced EPR for Coordination Chemistry-1	Spin States and Electronic Structure at the Extremes
Tuesday afternoon June 30th	O-O Bond Formation and Activation-2	Photophysics and Photochemistry of Transition Metal Complexes-2	Nordic Organometallics Meeting 2026-1	MIND Symposium-3	Main Group Catalysis and Materials Science-2	Molecular Spin Qubits and Molecular Spintronics Based on Molecular Magnets-2	Radiopharmaceuticals in Nuclear Medicine	MOFs for Sustainable Energy, Environment, and Resource Applications	Advanced EPR for Coordination Chemistry-2	Metal Oxo Clusters and Oligonuclear Oxo Complexes - from Building Blocks to Function-3
Wednesday morning July 1st	O-O Bond Formation and Activation-3	Photophysics and Photochemistry of Transition Metal Complexes-3	Nordic Organometallics Meeting 2026-2	Clusters, Oxo-complexes and Main Group Chemistry	Main Group Catalysis and Materials Science-3	Fluorinated Ligands in Coordination Chemistry	Molecular Electrocatalysts for Energy Conversion	Quantum Phenomena and Emergent Properties in MOFs	Spin states and reactivity	f-block and Late Transition Metal Chemistry
Thursday morning July 2nd	Merging Molecular Electrocatalysis and Coordination Chemistry for Organic Synthesis	Sustainability and Catalysis for Green Molecular Transformations-1	Early Transition Metal Chemistry: From Fundamental Systems to Applications-1	Metallo-Supramolecular Chemistry Meets Biology	P-block Elements in Exotic Electronic States and Constrained Geometries-1	From Interfacial to Spatially Confined Organometallic Chemistry-1	Organoradio-element Chemistry-1	MOFs as Platforms for Catalysis and Reactivity Control	Advanced X-ray, Diffraction, and Ultrafast Optical Methods-1	Lanthanide Luminescence for Advanced Applications-1
Thursday afternoon July 2nd	Bioinspired Oxidation Catalysis with Iron Complexes-1	Sustainability and Catalysis for Green Molecular Transformations-2	Early Transition Metal Chemistry: From Fundamental Systems to Applications-2	Light-, Redox-, and Structure-Controlled Metal Complexes in Biology and Medicine	P-block Elements in Exotic Electronic States and Constrained Geometries-2	From Interfacial to Spatially Confined Organometallic Chemistry-2	Organoradio-element Chemistry-2	MOF Research and Applications	Advanced X-ray, Diffraction, and Ultrafast Optical Methods-2	Lanthanide Luminescence for Advanced Applications-2
Friday morning July 3rd	Bioinspired Oxidation Catalysis with Iron Complexes-2	Light-driven Processes as Targets in Potential Therapeutics	MRI and PET Diagnostic and Theranostic Applications	Metal-Modified Nucleic Acids	New Directions in Organometallic Chemistry	Triggered Assembly of Functional Coordination Complexes	Modelling of Metal-Organic Frameworks	MOFs for Analysis and Analysis for MOF	Advanced x-ray, Diffraction, and Ultrafast Optical Methods-3	Contemporary Molecular Magnetism

Sunday afternoon June 28th

17.20-18 — Hall 2+4: Plenary: Paul Donnelly

Monday morning June 29th

8.30-9.10 — Hall 2+4: Plenary: Erwin Reisner

	0: Hall 2+4	1: Hall 1	2: Hall K2	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	PCET Reactivity of Natural and Bioinspired Complexes-1 *Chairs: Isaac Garcia Bosch, Ebbe Nordlander*	**Design of Anti-Cancer and Other Therapeutics-1** *Chairs: Urszula Komarnicka, Debbie Crans*	**Bioinspired Small Molecule Activation: Electronic Structure Governs Reactivity-1** *Chairs: Yisong Guo, Shengfa Ye*	**Phosphorus in Low Valency and Low Coordination** *Chairs: Rudolf Pietschnig, Christian Müller*	**Coordination Chemistry for Sustainability-1** *Chairs: Andreas Roodt, Radosław Kamiński*	**Dynamic Electronic States and Phase Transitions in Metal Complexes-1** *Chairs: Birgit Weber, Eric Collet*	**Confined Catalysis within Coordination Capsule-1** *Chairs: Chunying Duan*	**Coordination Cages-1** *Chairs: Mingming Zhang, Dillip Kumar Chand*	**Quantum Bio-Inorganic Chemistry-1** *Chairs: Dimitrios Pantazis, Maylis Orio*	**Metal Oxo Clusters and Oligonuclear Oxo Complexes -1** *Chairs: Vadim Kessler, John Errington*
	CB	BM	CB	MG	ES	ND	CB	SM	MM	ND
9.25	Tim Jackson CB-001-I	Sotiris Hadjikakou BM-011-I	Lei Jiao CB-021-I	Ruth Webster MG-031-I	Katarzyna Jarzembska ES-041-I	Eric Collet ND-051-I	De-Liang Long CB-061-I	Jonathon Beves SM-071-I	Federica Arrigoni MM-081-I	Kirsten Jensen ND-091-I
9.45	Mrunal Tamhankar CB-002-O	Wee Han Ang BM-012-O	Subrata Kundu CB-022-O	Gábor Balázs MG-032-O	Rebecca Willans ES-042-O	Solène Delaporte ND-052-O	Nirupama Sheet CB-062-O	Michaele Hardie SM-072-O	Vandana Kardam MM-082-O	Tomochika Kasagiri ND-092-O
10.00	Joshua Thorogood CB-003-O	Ewa Błaszczak BM-013-O	Lars Burri CB-023-O	Georgii Nikonov MG-033-O	Giorgio Facchetti ES-043-O	Jordi Cirera ND-053-O	Madeleine Stewart CB-063-O	Junseong Lee SM-073-O	Gyula Tircsó MM-083-O	Andreas Lichtenberg ND-093-O
10.15	Sayam Sen Gupta CB-004-I	Stefano Ciurli BM-014-I	Gengwen Tan CB-024-I	Takahiro Sasamori MG-034-I	Marietjie Schutte-Smith ES-044-I	Colette Boskovic ND-054-I	Christian Serre CB-064-I	Dillip Kumar Chand SM-074-I	Tobias Kraemer MM-084-I	Carles Bo ND-099-I
10.35					COFFEE					
11.00	Franc Meyer CB-005-K	Annette Rompel BM-015-K	Zhenfeng Xi CB-025-K	Alexandra Velian MG-035-K	Ola F. Wendt ES-045-K	Birgit Weber ND-055-K	Chunying Duan CB-065-K	Partha Mukherjee SM-075-K	Marcel Swart MM-085-K	Sanjay Mathur ND-094-I
11.30	Muhammad Ehtisham CB-006-O	Antonello Merlino BM-016-O	Justin Joyce CB-026-O	Peter Coburger MG-036-O	Dragos-Adrian Rosca ES-046-O	Ho-Chol Chang ND-056-O	Liang Zhao CB-066-O	James Lewis SM-076-O	Michael Stier MM-086-O	Takuo Minato ND-096-O
11.45	Isaac Garcia Bosch CB-007-O	Christina Banti BM-017-O	Martin Nielsen CB-027-O	Charles Macdonald MG-037-O	Jarl Ivar van der Vlugt ES-047-O	Yoshihiro Sekine ND-057-O	Björn Pfund CB-067-O	Arnab Rit SM-077-O	Maria Drosou MM-087-O	Joaquín Soriano-López ND-097-O
12.00	Timothy Warren CB-008-I	Arthur Tinoco BM-018-I	Dong Wang CB-028-I	Anders Reinholdt MG-038-I	Daniel L J Broere ES-048-I	Hitoshi Miyasaka ND-058-I	Sonja Pullen CB-068-I	Anna McConnell SM-078-I	Maylis Orio MM-088-I	Lukasz John ND-098-I
12.20					LUNCH					

Program Overview

Monday afternoon June 29th

	0: Hall 2+4	1: Hall 1	2: Hall K2	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	PCET Reactivity of Natural and Bioinspired Complexes-2 *Chairs: Isaac Garcia Bosch, Ebbe Nordlander*	**Design of Anti-Cancer and Other Therapeutics-2** *Chairs: Urszula Komarnicka, Debbie Crans*	**Bioinspired Small Molecule Activation: Electronic Structure Governs Reactivity-2** *Chairs: Yisong Guo, Shengfa Ye*	**MIND Symposium-1** *Chairs: Thomas Meade, Christine McKenzie*	**Coordination Chemistry for Sustainability-2** *Chairs: Stephen Ojwach, Fabia Grisi*	**Dynamic Electronic States and Phase Transitions in Metal Complexes-2** *Chairs: Shinya Hayami, Sanjit Konar*	**Confined Catalysis within Coordination Capsule-2** *Chairs: Chunying Duan*	**Coordination Cages-2** *Chairs: Mingming Zhang, Dillip Kumar Chand*	**Quantum Bio-Inorganic Chemistry-2** *Chairs: Vera Krewald, Dimitrios Pantazis*	**Metal Oxo Clusters and Oligonuclear Oxo Complexes-2** *Chairs: Carles Bo, Nadiia Gumerova*
	CB	BM	CB	BM	ES	ND	CB	SM	MM	ND
13.10				Mi-Hee Lim BM-130-K						
13.40	Yunjung Baek CB-101-I	Christian Hartinger BM-111-I	Wenguang Wang CB-121-I	Yoshiaki Furukawa BM-131-I	James Darkwa ES-141-I	Grace Morgan ND-151-I	Ben Pilgrim CB-161-I	Mingming Zhang SM-171-I	Erna Wieduwilt MM-181-I	Sebastian Pike ND-191-I
14.00	Zuzanna Wojdyla CB-102-O	Giovana Gioppo Nunes BM-112-O	Marika Di Berto Mancini CB-122-O	Monika Lesiów BM-132-O	Robert Luckay ES-142-O	Hans-Jörg Krüger ND-152-O	Jie Han CB-162-O	Michael C W Chan SM-172-O	Raúl M. Alvarado De La Torre MM-182-O	John Errington ND-192-O
14.15	Rajdeep Sarma CB-103-O	Daria Wojtala BM-113-O	Stefan Weber CB-123-O	Aleksandra Hecel BM-133-O	Raluca Malacea ES-143-O	Sanjit Konar ND-153-O	Chantal Joseph Abou Fayssal CB-163-O	Mihaela Cibian SM-173-O	Nitesh Jaiswal MM-183-O	Magda Pascual-Borràs ND-193-O
14.30	Wesley Browne CB-104-O	Gonzalo Scalese BM-114-O	Masnun Naher CB-124-O	Gianella Facchin BM-134-O	Elisa Boccalon ES-144-O	Volker Schünemann ND-154-O	Changzhu Wu CB-164-O	Yuya Tanaka SM-174-O	Matthias Stein MM-184-O	Gulaim Seisenbaeva ND-194-O
14.45	Ebbe Nordlander CB-105-I	Valentina Gandin BM-115-I	Mingtian Zhang CB-125-I	Peter Lay BM-135-I	Fabia Grisi ES-145-I	Shinya Hayami ND-155-I	Tiexin ZHANG CB-165-I	James Crowley SM-175-I	Binju Wang MM-185-I	Clement Falaise ND-195-I
15.05					COFFEE					
15.35	Vera Krewald CB-106-K	Isabelle Michaud-Soret BM-116-K	Serena DeBeer CB-126-K	Liliana Quintanar BM-136-I	Sonja Herres-Pawlis ES-146-K	Osamu Sato ND-156-K	Yong Cui CB-166-K	Guido Clever SM-176-K	Hannah Shafaat MM-186-K	May Nyman ND-196-K
16.05	Arnau Call CB-107-O	Astrid Bernkop-Schnürch BM-117-O	Mathis Gunther CB-127-O	Claire Deville BM-137-O	William Tremlett ES-147-O	Michal Magott ND-157-O	Junkai Cai CB-167-O	Caroline Andersson SM-177-O	Peter Baran MM-187-O	Melissa White ND-197-O
16.20	Stephan Kupfer CB-108-O	Rianne Lord BM-118-O	Katharina Bleher CB-128-O	Viktor Lebruška BM-138-O	Patricia Armenta ES-148-O	Sergi Vela ND-158-O	Javier Fonseca Garcia CB-168-O	Sodio Hsu SM-178-O	Małgorzata Zienkiewicz-Machnik MM-188-O	Tsukasa Iwano ND-198-O

Monday late afternoon June 29th

	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	MIND Symposium-1, continued *Chairs: Thomas Meade, Christine McKenzie*	**Poster flash presentations** *Chair: Christina Wegeberg*	**Poster flash presentations** *Chair: Michael Roy*	**Poster flash presentations** *Chair: Erik Hedegård*	**Poster flash presentations** *Chair: Mathias S. Neumann*	**Poster flash presentations** *Chair: Mads Sondrup Møller*	**Poster flash presentations** *Chair: Changzu Wu*
	BM	ES	ND/MG	CB	BM/CB/SM/MM	MM	ND
16.35	Tim Storr BM-139-I						
16.40		Gowri Satish ES-840-F	Tetsuya Kambe ND-850-F	Anju Balakrish-nan Syamala CB-860-F	Joanna Masternak BM-870-F	Jack Hemingway MM-880-F	Jan Chrubasik ND-890-F
16.45		Catherine Getty ES-841-F	Dawid Babula MG-851-F	Ayano Umakoshi CB-861-F	Chi-Fai Leung BM-871-F	Jérémy Leroy MM-881-F	Antonia Edenholm ND-891-F
16.50		Chiara Lenzi ES-842-F	Emeric Schubert MG-852-F	Benedikt Kerscher CB-862-F	Reza Khaleghi Abasabadi SM-872-F	Timon Zankel MM-882-F	Christopher Chang ND-892-F
16.55	Angela Casini BM-13A-K	Rafael Sanchez ES-843-F	Huanxin Zhang MG-853-F	Cenna Toullec CB-863-F	Conner Dykstra MM-873-F	Renan Bertoloni MM-883-F	Elena Dürr ND-893-F
17.00		Oliver Townrow ES-844-F	Giorgia Scorzoni MG-854-F	Caterina Damiano CB-864-F	Shweta Singh CB-874-F	Dean O'Brien MM-884-F	Fabrizio Enrico Napoli ND-894-F
17.05-17.25							
17.10-19.00	POSTER SESSION 1						

Tuesday morning June 30th

8.30-9.10	Hall 2+4: Plenary: Marinella Mazzanti									
	0: Hall 2+4	1: Hall 1	2: Hall K2	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	O-O Bond Formation and Activation-1 *Chairs: Kallol Ray*	**Photophysics and Photochemistry of Transition Metal Complexes-1** *Chairs: Kenneth Wärnmark, Oliver Wenger*	**Sustainable CO_2 Valorization through Electrocatalysis and Photocatalysis** *Chairs: Carole Duboc, Vincent Artero*	**MIND Symposium-2** *Chairs: Debbie Crans, Michael Hannon*	**Main Group Catalysis and Materials Science-1** *Chairs: Eunsung Lee, Zhenbo Mo*	**Molecular Spin Qubits and Molecular Spintronics Based on Molecular Magnets-1** *Chairs: Selvan Demir, Eva Rentschler*	**Inorganic and Hybrid Materials for Chemical Sensing Applications** *Chairs: Jonas Sundberg, Nusik Gedikoglu*	**Innovations in Reticular Synthesis and Framework Assembly** *Chairs: Kasper Pedersen, Lars Öhrström*	**Advanced EPR for Coordination Chemistry-1** *Chairs: Alexander Schnegg, Emma Richards*	**Spin States and Electronic Structure at the Extremes** *Chairs: Wesley Browne, Marcel Swart*
	CB	ES	CB	BM	MG	ND	ES	SM	MM	MM
9.25	Masahito Kodera CB-201-I	Oliver Wenger ES-211-I	Carla Casadevall Serrano CB-221-I	Joanna Collingwood BM-231-I	Seung Jun Hwang MG-241-I	Masahiro Yamashita ND-251-I	Leen Boullart ES-261-I	David Jenkins SM-271-I	Michal Leskes MM-281-I	Peter Weinberger MM-291-I
9.45	Kyoungsuk Jin CB-202-O	Cui Wang ES-212-O	Benjamin Travis CB-222-O	Peter Caravan BM-232-K	Till Lucas Kalkuhl MG-242-O	Guillem Aromí Bedmar ND-252-O	Katelyn Clutterbuck ES-262-O	Sophie Booth SM-272-O	Thomas Krøier Rønne-Nielsen MM-282-O	Lionel Salmon MM-292-O
10.00	Eric Aparicio Montaño CB-203-O	Yuki Murayama ES-213-O	Irene Suarez Antuna CB-223-O		Nikita Slesarchuk MG-243-O	Jett Janetzki ND-253-O	Samuel John Amali ES-263-O	Kenichi Endo SM-273-O	Korey Carter MM-283-O	Amirhossein Rezavand MM-293-O
10.15	Gang Wu CB-204-I	Ludovic Troian-Gautier ES-214-I	Arnab Dutta CB-224-I	Gurukiran K. Rajshekar BM-234-O	Lutz Greb MG-244-I	Shang-Da Jiang ND-254-I	Thomas Just Sørensen ES-264-I	Leah Matsinha SM-274-I	Emma Richards MM-284-I	John Berry MM-294-I
10.35					COFFEE					
11.00	Takahiko Kojima CB-205-K	Katja Heinze ES-215-K	Smaranda Marinescu CB-225-K	Thomas Meade BM-235-K	Shabana Khan MG-245-K	Mario Ruben ND-255-K	Vivian W. W. Yam ES-265-K	Guillermo M. Espallargas SM-275-K	Gunnar Jeschke MM-285-K	Karsten Meyer MM-295-K
11.30	Joshua Buss CB-206-O	Andreas Steffen ES-216-O	Abdullah Abudayyeh CB-226-O	Richard Holz BM-236-O	Caleb Martin MG-246-O	Asger Strandfelt ND-256-O	Sergio Ruiz Gamarra ES-266-O	Richard Röß-Ohlenroth SM-276-O	Shengfa Ye MM-286-O	Matthew Robb MM-296-O
11.45	Andrea Madabeni CB-207-O	Igor Koshevoy ES-217-O	Mattia Vettori CB-227-O	Tracey Rouault BM-237-K	Jamie Hicks MG-247-O	Philip Shushkov ND-257-O	Irina Kühne ES-267-O	Shigehisa Akine SM-277-O	Kaltum Abdiaziz MM-287-O	Tomohiko Ishii MM-297-O
12.00	Michael Roemelt CB-208-I	Alejandro Cadranel ES-218-I	Biprajit Sarkar CB-228-I		Chunming Cui MG-248-I	Selvan Demir ND-258-I	Lionel Wettstein ES-268-I	Lauren Macreadie SM-278-I	Paolo Cleto Bruzzese MM-288-I	Sven Schneider MM-298-I
12.20					LUNCH					

Program Overview

Tuesday afternoon June 30th

	0: Hall 2+4	1: Hall 1	2: Hall K2	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	O-O Bond Formation and Activation-2 *Chairs: Wonwoo Nam*	**Photophysics and Photochemistry of Transition Metal Complexes-2** *Chairs: Ludovic Troian-Gautier, Elena Jakubikova*	**Nordic Organometallics Meeting 2026-1** *Chairs: Craig Day, Martin Nielsen*	**MIND Symposium-3** *Chairs: Peter Caravan, Liliana Quintanar*	**Main Group Catalysis and Materials Science-2** *Chairs: Hye Won Moon, Oriol Planas*	**Molecular Spin Qubits and Molecular Spintronics Based on Molecular Magnets-2** *Chairs: Shang-Da Jiang, Masahiro Yamashita*	**Radiopharmaceuticals in Nuclear Medicine** *Chairs: Ellis Smith; Michelle Ma*	**MOFs for Sustainable Energy, Environment, and Resource Applications** *Chairs: Sascha Ott, James McPherson*	**Advanced EPR for Coordination Chemistry-2** *Chairs: Alexander Schnegg, Emma Richards*	**Metal Oxo Clusters and Oligonuclear Oxo Complexes -3** *Chairs: Carles Bo, Nadiia Gumerova*
	CB	ES	CB	BM	MG	ND	BM	SM	MM	ND
13.10				Peter Faller BM-330-K						
13.40	Jaeheung Cho CB-301-I	Elena Jakubikova ES-311-I	Ainara Nova Flores CB-321-I	Christelle Hureau BM-331-I	Eunsung Lee MG-341-I	Eva Rentschler ND-351-I	Gill Reid BM-361-I	Sujit Ghosh SM-371-I	Nick Cox MM-381-I	Xavier López ND-391-I
14.00	Ning Cao CB-302-O	Masaki Yoshida ES-312-O	Mauricio Franco CB-322-O	Marie Pražáková BM-332-O	Youngsuk Kim MG-342-O	Pei-Yu Liao ND-352-O	María Costa De Dios BM-362-O	Thomas Devic SM-372-O	Vinicius Tadeu Santana MM-382-O	Karah Knope ND-392-O
14.15	Amani B. Al Riyami CB-303-O	Daniel Aravena ES-313-O	Ira Volkova CB-323-O	Andrew Bates BM-333-O	Charles Romain MG-343-O	Kasper Pedersen ND-353-O	Lael Kimchi BM-363-O	Sota Tsutsumi SM-373-O	Valentin Novikov MM-383-O	Harry Wilson ND-393-O
14.30	Eynat Haviv CB-304-O	Kseniia Boidachenko ES-314-O	Andreas Roodt CB-328-O	Ana Maria Da Costa Ferreira BM-334-O	Sangmin Kim MG-344-O	E. Carolina Sañudo ND-354-O	Rory Kenrick BM-364-O	Kezia Sasitharan SM-374-O	Christian Teutloff MM-384-O	Sebastien Blanchard ND-394-O
14.45	Rong-Zhen Liao CB-305-I	Antonin Vlcek ES-315-I	Sigridur Suman CB-325-I	Nicholas Long BM-335-I	Oriol Planas MG-345-I	Leoni Barrios ND-355-I	Cinzia Imberti BM-365-I	Stefan Kaskel SM-375-I	Brittany Grimm MM-385-I	Ellen Matson ND-395-I
15.05					COFFEE					
15.35	Alison Fout CB-306-K	James McCusker ES-316-K	Eva Hevia CB-326-K	Luigi Zecca BM-336-K	Jose Goicoechea MG-346-K	Eugenio Coronado ND-356-K	Carlos Planas-Iglesias BM-366-K	Li-Min Zheng SM-376-K	Roberta Sessoli MM-386-K	Tatjana Parac-Vogt ND-396-K
16.05	Dan Meyerstein CB-307-O	Yuta Chiba ES-317-O	Jakob Dahl CB-327-O	Fabian Mohr BM-337-O	Christoph Riesinger MG-347-O	Miguel Clemente-Leon ND-357-O	Nicolás Sommariva Ucha BM-367-O	Andres Rodriguez Camargo SM-377-O	Tarek Al Said MM-387-O	Naoya Haraguchi ND-397-O
16.20	Hongtao Zhang CB-308-O	Garry Hanan ES-318-O	Robert Deeth CB-329-I	Elitsa Pavlova BM-338-O	Andreas Stasch MG-348-O	Olga Mironova ND-358-O	Lucie Kuncová BM-368-O	Alexandra Fateeva SM-378-O	Michal Kern MM-388-O	Nadiia Gumerova ND-398-O

Tuesday late afternoon June 30th

		3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	Nordic Organometallics Meeting 2026-1, continued *Chairs: Craig Day, Martin Nielsen*	**MIND Symposium-3, continued** *Chairs: Peter Caravan, Liliana Quintanar*	**Poster flash presentations** *Chair: Christina Wegeberg*	**Poster flash presentations** *Chair: Michael Roy*	**Poster flash presentations** *Chair: Erik Hedegård*	**Poster flash presentations** *Chair: Mathias S. Neumann*	**Poster flash presentations** *Chair: Mads Sondrup Møller*	**Poster flash presentations** *Chair: Changzu Wu*
	CB	**BM**	**MG/ES**	**CB**	**BM**	**ES**	**MM**	**ND**
16.35		**Debbie Crans BM-339-I**						
16.40	**Stephen Hashmi CB-32A-I**		**Shuilian Xu MG-845-F**	**Dean McGettigan CB-855-F**	**Zuzana Baranova BM-865-F**	**Katsuhiro Wakamatsu ES-875-F**	**Naoki Eguchi MM-885-F**	**Adedayo Dada ND-895-F**
16.45			**Amelia Swarbrook MG-846-F**	**Irene Ligielli CB-856-F**	**Benjamin Hofmann BM-866-F**	**Karolina Gutmańska ES-876-F**	**Harvey Bance MM-886-F**	**Noor Alnahdi ND-896-F**
16.50			**Paul C. Ruer ES-847-F**	**Lucas Mello CB-857-F**	**Galina Gencheva BM-867-F**	**Sodai Miyamoto ES-877-F**	**Raul Mendoza-Baez MM-887-F**	**Hugh Sanderson ND-897-F**
16.55		**Kay Double BM-33A-K**	**Alexander Watson MG-848-F**	**Marina Uzelac CB-858-F**	**Luca Fiorini BM-868-F**	**Vitaliy Masliy ES-878-F**	**Sriram Sundaresan MM-888-F**	**Jonas Lorenz ND-898-F**
17.00			**Hirak Kumar Basak MG-849-F**	**Robert Richstein CB-859-F**	**Tommaso Lorenzon BM-869-F**	**Jonas Oliver Wenzel ES-879-F**	**Srividhyadevi Chandrasekaran MM-889-F**	**Martin Smith ND-899-F**
17.05-17.25								
17.10-19.00	**POSTER SESSION 2**							

Program Overview

Wednesday morning July 1st

8.30-9.10	Hall 2+4: Plenary: Amy C. Rosenzweig									
	0: Hall 2+4	1: Hall 1	2: Hall K2	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	O-O Bond Formation and Activation-3 *Chairs: Kyoung-suk Jin, Young Hyun Hong*	**Photophysics and Photo-chemistry of Transition Metal Complexes-3** *Chairs: Antonin Vlcek, Petter Persson*	**Nordic Organometallics Meeting 2026-2** *Chairs: Craig Day, Martin Nielsen*	**Clusters, Oxo-complexes and Main Group Chemistry** *Chairs: Colette Boskovic, Vadim Kessler*	**Main Group Catalysis and Materials Science-3** *Chairs: Andrew Jupp, Seung Jun Hwang*	**Fluorinated Ligands in Coordination Chemistry** *Chairs: Moritz Malischewski, Thomas Braun*	**Molecular Electrocatalysts for Energy Conversion** *Chairs: Biprajit Sarkar, Arnab Dutta*	**Quantum Phenomena and Emergent Pro-perties in MOFs** *Chairs: Kasper Pedersen, Lars Öhrström*	**Spin states and reactivity** *Chairs: Wesley Browne, Marcel Swart*	**f-block and Late Transition Metal Chemistry** *Chairs: Timo Repo, Bas de Bruin*
	CB	ES	CB	ND	MG	ND	ES	SM	MM	ND
9.25	**Ally Aukauloo** CB-401-I	**Petter Persson** ES-411-I	**Fabian Dielmann** CB-421-I	**Vadim Kessler** ND-431-I	**Hye Won Moon** MG-441-I	**Thomas Braun** ND-451-I	**Victor Mougel** ES-461-I	**Dominique Luneau** SM-471-I	**Aidan McDonald** MM-481-I	**Robert Gericke** ND-491-I
9.45	**Young Hyun Hong** CB-402-O	**Bruno Lazarevski** ES-412-O	**Søren Kramer** CB-422-O	**Dat Nguyen** ND-432-O	**Min Hyung Lee** MG-442-O	**Joshua Parche** ND-452-O	**Carole Duboc** ES-462-K	**Anton Viborg** SM-472-O	**Lars Killian** MM-482-O	**Meaghan Deegan** ND-492-O
10.00	**Sihong Chen** CB-403-O	**Michael Karnahl** ES-413-O	**Ana Cizerl** CB-423-O	**Rainer Winter** ND-433-O	**Jan Vrána** MG-443-O	**Vladimir Motornov** ND-453-O		**Nico Hahn** SM-473-O	**Almudena Inchausti** MM-483-O	**Xingliang Li** ND-493-O
10.15	**Hiroshi Fujii** CB-404-I	**Michael Wolf** ES-414-I	**Troels Skrydstrup** CB-424-I	**Josh Abbenseth** ND-434-I	**Shaoguang Zhang** MG-444-I	**Udo Radius** ND-454-I	**Kuo-Wei Huang** ES-464-I	**Matthias Geilhufe** SM-474-I	**Inke Siewert** MM-484-I	**Gregory Nocton** ND-494-I
10.35					COFFEE					
11.00	**Licheng Sun** CB-405-K	**Eszter Borbas** ES-415-K	**Guy Bertrand** CB-425-K	**Annie Powell** ND-435-K	**Dominik Munz** MG-445-K	**Rasika Dias** ND-455-K	**Vincent Artero** ES-465-K	**Matthew Cliffe** SM-475-K	**Miquel Costas** MM-485-K	**Conrad Goodwin** ND-495-K
11.30	**Mads Møller** CB-406-O	**Ferdi Karadaş** ES-416-O	**Patricia Aufricht** CB-426-O	**Xiao Yang** ND-436-O	**Rebecca Majchrzak** MG-446-O	**Daniel Joven-Sancho** ND-456-O	**Dennis Hetterscheid** ES-466-O	**José Troya Martínez** SM-476-O	**Olga Bokareva** MM-486-O	**Marcus Løvbo Andersson** ND-496-O
11.45	**Kyung-Bin Cho** CB-407-O	**Ulrich Schatzschneider** ES-417-O	**Igor Fritsky** CB-427-O	**Matthew Lowe** ND-437-O	**Nijito Mukai** MG-447-O	**Niklas Limberg** ND-457-O	**Hemlata Agarwala** ES-467-O	**Jouke Fleege** SM-477-O	**Tzu-Hsien Yang** MM-487-O	**Fabian Dankert** ND-497-O
12.00	**Shinobu Itoh** CB-408-I	**Hartmut Yersin** ES-418-I	**Marc-Etienne Moret** CB-428-I	**Christian Müller** ND-438-I	**Andrew Jupp** MG-448-I	**Moritz Malischewski** ND-458-I	**Sascha Ott** ES-468-I	**Luis Leon** SM-478-I	**Malcolm Halcrow** MM-488-I	**Mauro Perfetti** ND-498-I
12.20					LUNCH					

Thursday morning July 2nd

8.30-9.10	Hall 2+4: Plenary: Mizuki Tada									
	0: Hall 2+4	1: Hall 1	2: Hall K2	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	Merging Molecular Electrocatalysis and Coordination Chemistry for Organic Synthesis *Chairs: Inke Siewert, Julio Lloret Fillol*	**Sustainability and Catalysis for Green Molecular Transformations-1** *Chairs: Toshiyuki Moriuchi, Chi Chiu Ko*	**Early Transition Metal Chemistry: From Fundamental Systems to Applications-1** *Chairs: Torsten Beweries, Gabriele Hierlmeier*	**Metallo-Supramolecular Chemistry Meets Biology** *Chairs: Michael Hannon; Valerie Pierre*	**P-block Elements in Exotic Electronic States and Constrained Geometries-1** *Chairs: Josh Abbenseth, Christoph Riesinger*	**From Interfacial to Spatially Confined Organometallic Chemistry-1** *Chairs: Sven Schneider, Andy Weller*	**Organoradioelement Chemistry-1** *Chairs: Steve Liddle, Polly Arnold*	**MOFs as Platforms for Catalysis and Reactivity Control** *Chairs: Sascha Ott, James McPherson*	**Advanced X-ray, Diffraction, and Ultrafast Optical Methods-1** *Chairs: Arianna Lanza, Serena DeBeer*	**Lanthanide Luminescence for Advanced Applications-1** *Chairs: Stéphane Petoud, Theodore Lazarides*
	CB	CB	ES	BM	MG	ND	ND	SM	MM	FB
9.25	Amanda Garcia CB-501-I	Giulia Marina Licini ES-511-K	Gabriele Hierlmeier CB-521-I	Michael Hannon BM-531-I	Roman Dobrovetsky MG-541-I	Michael Buchmeiser ND-551-I	Henry La Pierre ND-561-K	Christian Doonan SM-571-I	Matic Lozinsek MM-581-I	Gaël Ung FB-591-I
9.45	Liang Deng CB-502-O		Fabian Reiss CB-522-O	Merin Kennedy BM-532-O	Jas Ward MG-542-O	David Powers ND-552-O		Sara Talebi Deylamani SM-572-O	Gregor Kieslich MM-582-O	Hadrien Flichot FB-592-O
10.00	Paul Bernhardt CB-503-O	Chiara Costabile ES-513-O	Takuma Sato CB-523-O	Urszula Komarnicka BM-533-O	Enrique Soto MG-543-O	Jack Heaton ND-553-O	Petr Hermann ND-563-O	Rafael Cortez Sgroi Pupo SM-573-O	Kunihisa Sugimoto MM-583-O	Min Ying Tsang FB-593-O
10.15	Charles Machan CB-504-I	Chi Chiu Ko ES-514-I	Stephan Hohloch CB-524-I	Raúl Hernández Sánchez BM-534-I	Viktoria Gessner MG-544-I	Yuichiro Himeda ND-554-I	François Guérard ND-564-I	Nina Lock SM-574-I	Petr Brazda MM-584-I	Zoe Pikramenou FB-594-I
10.35					COFFEE					
11.00	Alexander Miller CB-505-K	Theodore Betley ES-515-K	Laurel Schafer CB-525-K	Makoto Fujita BM-535-K	Simon Aldridge MG-545-K	Jacqueline Cole ND-555-K	Suzanne Bart ND-565-K	Unni Olsbye SM-575-K	Laura Pacoste MM-585-K	Svetlana Eliseeva FB-595-K
11.30	Afridi Zamader CB-506-O	Toshiyuki Moriuchi ES-516-O	Till Neumann CB-526-O	Jason Holland BM-536-K	Caitlin Lindsay MG-546-O	Stefan Repp ND-556-O	Erika Ferrari ND-566-O	Alessio Nicolini SM-576-O	Anna Scott MM-586-O	Kil Sik Min FB-596-O
11.45	Simon Suhr CB-507-O	Andrew Phillips ES-517-O	Joe Pearce CB-527-O		David Liptrot MG-547-O	Matthias Otte ND-557-O	Lisa Vondung ND-567-O	Anantharaman Ganapathi SM-577-O	Timo Dederichs MM-587-O	TBA FB-597-O
12.00	David Tilley CB-508-I	Youngmin You ES-518-I	Jiaxiang Chu CB-528-I	Miguel Vázquez López BM-538-I	Rudolf Pietschnig MG-548-I	Constanze Neumann ND-558-I	Umberto Maria Battisti ND-568-I	Bettina Baumgartner SM-578-I	Ritimukta Sarangi MM-588-I	Pablo Fuentealba FB-598-I
12.20					LUNCH					

Thursday afternoon July 2nd

	0: Hall 2+4	1: Hall 1	2: Hall K2	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	Bioinspired Oxidation Catalysis with Iron Complexes-1 *Chairs: Franc Meyer*	**Sustainability and Catalysis for Green Molecular Transformations-2** *Chairs: Hajime Kameo, Takahiro Matsumoto*	**Early Transition Metal Chemistry: From Fundamental Systems to Applications-2** *Chairs: Torsten Beweries, Ian Tonks*	**Light-, Redox-, and Structure-Controlled Metal Complexes in Biology and Medicine** *Chairs: Michael Hannon, Valerie Pierre*	**P-block Elements in Exotic Electronic States and Constrained Geometries-2** *Chairs: Josh Abbenseth, Christoph Riesinger*	**From Interfacial to Spatially Confined Organometallic Chemistry-2** *Chairs: David Powers, Constanze Neumann*	**Organoradio-element Chemistry-2** *Chairs: Henry La Pierre, Suzanne Bart*	**MOF Research and Applications** *Chairs: Lars Öhrström, Nina Lock*	**Advanced X-ray, Diffraction, and Ultrafast Optical Methods-2** *Chairs: Amy Cordones-Hahn, R. van der Veen*	**Lanthanide Luminescence for Advanced Applications-2** *Chairs: Svetlana Eliseeva, Zoe Pikramenou*
	CB	**ES**	**CB**	**BM**	**MG**	**ND**	**ND**	**SM**	**MM**	**FB**
13.40	**Wonwoo Nam** **CB-601-I**	**Dandan Gao** **ES-611-I**	**Ian Tonks** **CB-621-I**	**Janet Morrow** **BM-631-I**	**Christian Hering-Junghans** **MG-641-I**	**Chloe Thieuleux** **ND-651-I**	**Steve Liddle** **ND-661-K**	**Vonika Ka-Man Au** **SM-671-I**	**Dooshaye Moonshiram** **MM-681-I**	**Theodore Lazarides** **FB-691-I**
14.00	Arturo Villechenous CB-602-O	Han Sen Soo ES-612-O	Matthew Hernandez CB-622-O	Monika Cziferszky BM-632-O	Nils Ansmann MG-642-O	Alexander Schnegg ND-652-O		Jaskaran Singh Malhotra SM-672-O	Issiah Lozada MM-682-O	Michael Roy FB-692-O
14.15	Mathias Lander Skavenborg CB-603-O	Indranil Dutta ES-613-O	Changho Yoo CB-623-O	Per Siegbahn BM-633-O	Edgar Zander MG-643-O	Andrew Weller ND-653-O	Sébastien Paloc ND-663-O	**Mohamed Eddaoudi** **SM-673-K**	Wojciech Gawelda MM-683-O	Matthew Allen FB-693-O
14.30	Chivukula V. Sastri CB-604-O	Maximilian Poller ES-614-O	Michal Horacek CB-624-O	Giovanni Tonon BM-634-O	Malte Fischer MG-644-O	Jumpei Kawaguchi ND-654-O	Yue Pang ND-664-O		Wolfram Seidel MM-684-O	Dominika Prętka FB-694-O
14.45	**Yisong Guo** **CB-605-I**	**Takahiro Matsumoto** **ES-615-I**	**Matthew Conley** **CB-625-I**	**Alexander Pöthig** **BM-635-I**	**Moumita Majumdar** **MG-645-I**	**Roland Fischer** **ND-655-I**	**Justin Walensky** **ND-665-I**	**Francoise Amombo Noa** **SM-675-I**	**Roseanne Sension** **MM-685-I**	**Stéphane Petoud** **FB-695-I**
15.05					**COFFEE**					
15.35	**Rachel Austin** **CB-606-K**	**Didier Bourissou** **ES-616-K**	**Daniel Mindiola** **CB-626-K**	**Valerie Pierre** **BM-636-K**	**Liu Leo Liu** **MG-646-K**	**Christophe Coperet** **ND-656-K**	**Polly Arnold** **ND-666-K**	**Natalia Shustova** **SM-676-K**	**Julia Weinstein** **MM-686-K**	**Stephen Faulkner** **FB-696-K**
16.05	Thorsten Glaser CB-607-O	Adrian Chaplin ES-617-O	Avery Lecomte CB-627-O	Raphaël Tripier BM-637-O	Liesa Eickhoff MG-647-O	Dmitri Gelman ND-657-O	Dinh Cao Huan Do ND-667-O	Yuto Toki SM-677-O	Tomohiro Ogawa MM-687-O	Chenyang Hu FB-697-O
16.20	Sayantan Paria CB-608-O	Hajime Kameo ES-618-O	Xueli Wang CB-628-O	Jan Faltejsek BM-638-O	David Meier MG-648-O	Ramon Torres Cavanillas ND-658-O	Maximilian Roca Jungfer ND-668-O	Shun Ohta SM-678-O	Sergey Bokarev MM-688-O	Rachel Sailer FB-698-O

Thursday late afternoon July 2nd

	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	Poster flash presentations *Chair: Anders Reinholdt*	**Poster flash presentations** *Chair: Christina Wegeberg*	**Poster flash presentations** *Chair: Michael Roy*	**Poster flash presentations** *Chair: Erik Hedegård*	**Poster flash presentations** *Chair: Mathias S. Neumann*	**Poster flash presentations** *Chair: Mads Sondrup Møller*	**Poster flash presentations** *Chair: Changzu Wu*
	ES/CB	**MG**	**ND**	**ND**	**SM**	**CB**	**FB/MG/ND**
16.40	**Cristiana Cesari ES-930-F**	**Huanhuan Dong MG-940-F**	**Saya Hirama ND-950-F**	**Leon Schoendorf ND-960-F**	**Leanna Karn SM-970-F**	**Ioannis Vagiakos CB-980-F**	**Till Sawallisch FB-990-F**
16.45	**Amélie Kochem CB-931-F**	**Imogen Squire MG-941-F**	**Shumpei Take ND-951-F**	**Lisa Gremmel ND-961-F**	**Kuba Lemanski SM-971-F**	**Roel Bienenmann CB-981-F**	**Rupesh Rupesh FB-991-F**
16.50	**Mattias Tan CB-932-F**	**James Stewart-Moreno MG-942-F**	**Tak Hin Wong ND-952-F**	**Michal Straka ND-962-F**	**Giorgio Cagossi SM-972-F**	**Jieun Jung CB-982-F**	**José Aleixo De Azevedo França ND-992-F**
16.55	**Rupesh Kumar Tiwari CB-933-F**	**Preslav Smits MG-943-F**	**Victoria Martín Quiles ND-953-F**	**Mateusz Reczyński ND-963-F**	**Kinga Szczecinska SM-973-F**	**John Miecznikowski CB-983-F**	**Samuel Thompson MG-993-F**
17.00	**Sunita Sharma CB-934-F**	**Tomoya Ueda MG-944-F**	**Robert Wolf ND-954-F**	**Raul Diaz Torres ND-964-F**	**Joseph Bunyan SM-974-F**	**Ben Johnson CB-984-F**	**Lisa Kreimer MG-994-F**
17.10-19.00	**POSTER SESSION 3**						

Friday morning July 3rd

	0: Hall 2+4	1: Hall 1	2: Hall K2	3: Hall K3	4: Hall K4	5: Room 200	6: Room 207	7: Room 107	8: Room 105	9: Room B+C+D
	Bioinspired Oxidation Catalysis with Iron Complexes-2 *Chairs: Thorsten Glaser*	**Light-driven Processes as Targets in Potential Therapeutics** *Chairs: Sylvia Draper, Andrea Erxleben*	**MRI and PET Diagnostic and Theranostic Applications** *Chairs: Gyula Tircsó, Janet Morrow*	**Metal-Modified Nucleic Acids** *Chairs: Morten J. Bjerrum, Peter W. Thulstrup*	**New Directions in Organo-metallic Chemistry** *Chairs: Anders Reinholdt, Ebbe Nordlander*	**Triggered Assembly of Functional Coordination Complexes** *Chairs: Takafumi Kitazawa, Sayaka Uchida*	**Modelling of Metal-Organic Frameworks** *Chairs: Mårten Ahlquist*	**MOFs for Analysis and Analysis for MOF** *Chairs: Nobuhiko Hosono, Kenji Okada*	**Advanced x-ray, Diffraction, and Ultrafast Optical Methods-3** *Chairs: Elisa Biasin, Serena DeBeer*	**Contemporary Molecular Magnetism** *Chairs: Mauro Perfetti, Dawid Pinkowicz*
	CB	BM	BM	BM	CB	ND	MM	SM	MM	FB
9.00	Abhishek Dey CB-701-K	Sylvia Draper BM-711-K	Eva Toth BM-721-K	Jens Müller BM-731-K	Sally Brooker CB-741-K	Gabor Molnar ND-751-K	Heather Kulik MM-761-K	Craig Brown SM-771-K	Philippe Wernet MM-781-K	Dawid Pinkowicz FB-791-K
9.30	Kallol Ray CB-702-I	Ryojun Toyoda BM-712-I	Michelle Ma BM-722-I	Miguel A. Galindo BM-732-I	Kenneth Wärnmark CB-742-I	Ana B Gaspar ND-752-I	Marco Taddei MM-762-I	Ocean Cheung SM-772-I	Klaus Braagaard Møller MM-782-I	Zhibo Qi FB-792-I
9.50	Bidraha Bagh CB-703-O	Sourav Acharya BM-713-O	Luke Marchetti BM-723-O	Paula Miquel Fosco BM-733-O	Teppei Yamada CB-743-O	Szymon Chorazy ND-753-O	Tigmansu Pal MM-763-O	Nobuhiko Hosono SM-773-O	Pratima Sharma MM-783-O	Aleksander Hoffman FB-793-O
10.05	Peter Comba CB-704-O	Judit Fodor BM-714-O	Kate Hadley BM-724-O	Martin Gill BM-734-O	Ferman Chavez CB-744-O	David Aguilà ND-754-O	Dimitrios Pantazis MM-764-O	Taichi Baba SM-774-O	Elisa Biasin MM-784-O	Fabrice Pointillart FB-794-O
10.20	Anna Company Casadevall CB-705-I	Roger Sanchis Gual BM-715-I	Chandan Mukherjee BM-725-I	Pratik Shah BM-735-I	Joyanta Choudhury CB-745-I	Sayaka Uchida ND-755-I	Juliusz Wolny MM-765-I	Silvia Bracco SM-775-I	Malte Oppermann MM-785-I	Matteo Briganti FB-795-I
10.40					COFFEE					
11.00	Bas de Bruin CB-706-O	Pritha Chatterjee BM-716-O	Lorenzo Tei BM-726-O	Julia Stjärnhage BM-736-O	Rowan Young CB-746-O	Takafumi Kitazawa ND-756-O	Chenxi Li MM-766-O	Kornel Roztocki SM-776-O	Amy Cordones-Hahn MM-786-O	Jani Moilanen FB-796-O
11.15	Laura Smith CB-707-O	Jacopo Tessarolo BM-717-O	Madalina Ranga BM-727-O	Monika Nowakowska BM-737-O	Lintang Hizbullah CB-747-O	Ryo Ohtani ND-757-O	Ashish Vinayak Tamhankar MM-767-O	Malvina Supper SM-777-O	Renske van der Veen MM-787-O	José Serrano-Guarinos FB-797-O
11.30-11.50	Christian Limberg CB-708-I	Masanari Hirahara BM-718-I	Graeme Stasiuk BM-728-I	Andrew Kellett BM-738-I	Stephen Ojwach CB-748-I	Takashi Kosone ND-758-I	Haruaki Suzuki MM-768-I	Rob Ameloot SM-778-I	Christopher Larsen MM-788-I	Maja Dunstan FB-798-I
12.00	Plenary Frank Neese									
12.40	Closing ceremony									

Program Overview

Welcome to the 46th International Conference on Coordination Chemistry

The ICCC has long served as a premier conference for advancing our understanding of coordination chemistry, spanning fundamental principles of the electronic and geometric structure of metal complexes and their implications for bond and substrate activation, to applications across numerous fields, including catalysis, materials, medicine, biology, energy, and sustainability.

This year's conference continues that proud tradition, offering an inspiring scientific program organized around eight themes that highlight cutting-edge discoveries and emerging directions.

Beyond the formal sessions, we encourage you to take full advantage of the opportunity to exchange ideas, establish new collaborations, and reconnect with colleagues. We are especially pleased to welcome many early-career researchers and students, whose energy and perspectives are essential to the future of our discipline. In this spirit, the poster sessions lie at the heart of the 46th ICCC, featuring three dedicated sessions, with posters displayed throughout the conference. These sessions are intended to provide relaxed environments that foster informal interaction and meaningful scientific dialogue.

We also encourage you to explore the thousand-year-old city of Odense and enjoy its unique atmosphere. The social program offers opportunities to visit the surrounding countryside and local attractions.

We are delighted to welcome you to Odense and look forward to sharing your company as well as your science. Thank you for contributing to what will be a scientifically stimulating and memorable 46th ICCC with the perfect blend of Danish *hygge* and Swedish *lagom*.

Organizing Committee:

Christine McKenzie, University of Southern Denmark
Susanne Mossin, Technical University of Denmark
Jesper Bendix, Copenhagen University, Denmark
Ola Wendt, Lund University, Sweden

Program overview

Parallel sessions will follow the timings in this schedule. There can be small variations in the balance of speaker types.

Sunday 28th June	
14.00-17.00	REGISTRATION
17.00-17.20	Opening ceremony
17.20-18.00	Plenary
18.00-20.00	Welcome Reception

Friday 3rd July	
09:00-09.30	Keynote
09.30-09.50	Invited
09.50-10:05	Contributed
10:05-10.20	Contributed
10.20-10:40	Invited
10:40-11.00	COFFEE
11.00-11.15	Contributed
11.15-11.30	Contributed
11:30-11:50	Invited
12.00-12.40	Plenary
12.40-13.00	Closing ceremony
13:00-13:45	LUNCH

	Monday 29th June	Tuesday 30th June	Wednesday 1st July	Thursday 2nd July
08.00-08.30	Registration desk open			
08.30-09.10	Plenary	Plenary	Plenary	Plenary
09.25-09.45	Invited	Invited	Invited	Invited
09.45-10.00	Contributed	Contributed	Contributed	Contributed
10.00-10.15	Contributed	Contributed	Contributed	Contributed
10.15-10.35	Invited	Invited	Invited	Invited
10.35-11.00	COFFEE	COFFEE	COFFEE	COFFEE
11.00-11.30	Keynote	Keynote	Keynote	Keynote
11.30-11.45	Contributed	Contributed	Contributed	Contributed
11.45-12.00	Contributed	Contributed	Contributed	Contributed
12.00-12.20	Invited	Invited	Invited	Invited
12.20-13.40	LUNCH	LUNCH	LUNCH	LUNCH
13.40-14.00	Invited	Invited	**Social Program** Egeskov Castle (13:30-17:30) **or** Dinner at Holckenhavn castle (17:00-23:00)	Invited
14.00-14.15	Contributed	Contributed		Contributed
14.15-14.30	Contributed	Contributed		Contributed
14.30-14.45	Contributed	Contributed		Contributed
14.45-15.05	Invited	Invited		Invited
15.05-15.35	COFFEE	COFFEE		COFFEE
15.35-16.05	Keynote	Keynote		Keynote
16.05-16.20	Contributed	Contributed		Contributed
16.20-16.35	Contributed	Contributed		Contributed
16.40-17.05	5 Poster Pitches	5 Poster pitches		5 Poster pitches
17.00-19.00	Poster Session 1 refreshments/beer	Poster Session 2 refreshments/beer		Poster Session 3 refreshments/beer
19.00-23.30				Conference Banquet

Local Organizers (University of Southern Denmark)
Christine McKenzie
Mette Søndergaard
Christina Wegeberg
James McPherson
Erik Donovan Hedegård

Binational (Danish/Swedish) Organization Committee
Ola Wendt, Lund University, Sweden
Jesper Bendix, Copenhagen University, Denmark
Susanne Mossin, Technical University of Denmark
Kasper Steen Pedersen, The Technical University of Denmark
Craig Day, Copenhagen University, Denmark
Lars Öhrström, Chalmers University of Technology, Sweden
Sascha Ott, Uppsala University, Sweden
Anders Reinholdt, Lund University, Sweden
Troels Skrydstrup, Aarhus University, Denmark

International Scientific Committee

Carole Duboc, Université Grenoble Alpes, France
Abhik Ghosh, The Arctic University of Norway, Tromsø, Norway
Marcel Swart, University of Girona, Girona, Spain
Sven Rau, Ulm University, Germany
Debashis Adhikari, Indian Institute of Science Education and Research, Mohali, India
Conrad Goodwin, University of Manchester, United Kingdom
Bas de Bruin, University of Amsterdam, The Netherlands
Andreas Roodt, University of the Free State, Bloemfontein, South Africa
Makoto Fujita, University of Tokyo, Japan
Dawid Pinkowicz, Jagiellonian University, Poland
Mauro Perfetti, University of Florence, Italy
John Berry, University of Wisconsin, USA
Timo Repo, University of Helsinki, Finland
Victor Mougel, ETH Zurich, Switzerland
Paul Bernhardt, University of Queensland, Australia
Colette Boskovic, The University of Melbourne, Australia
Richard Hartshorn, University of Canterbury, Christchurch, New Zealand
Hoi Ri Moon, Ewha Womans University, Republic of Korea
Li-Min Zheng, Nanjing University, China
Lauren Macreadie, University of New South Wales, Australia
Mi Hee Lin, Korea Advanced Institute of Science and Technology, Republic of Korea
Daniel Aravena, Universidad de Santiago de Chile, Chile
Sally Brooker, University of Otago, New Zealand
Isabel Correia, University of Lisbon, Portugal
Mike Hannon, University of Birmingham, United Kingdom

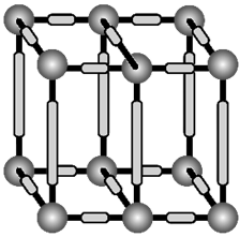
Themes with associated symposia

Coordination Compounds for Energy and Sustainability Applications

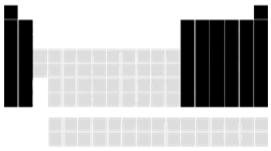
Coordination Chemistry for Sustainability
Inorganic and Hybrid Materials for Chemical Sensing Applications
Molecular Electrocatalysts for Energy Conversion
Photophysics and Photochemistry of Transition Metal Complexes
Sustainability and Catalysis for Green Molecular Transformations

Catalysis and Bond Activation
Bioinspired Oxidation Catalysis with Iron Complexes
Bioinspired Small Molecule Activation: Electronic Structure Governs Reactivity
Confined Catalysis within Coordination Capsule
Early Transition Metal Chemistry: From Fundamental Systems to Applications
Merging Molecular Electrocatalysis and Coordination Chemistry for Organic Synthesis
New Directions in Organometallic Chemistry
Nordic Organometallics Meeting
O-O Bond Formation and Activation
Proton-coupled Electron Transfer Reactivity of Natural and Bioinspired Complexes
Sustainable CO_2 Valorization through Electrocatalysis and Photocatalysis

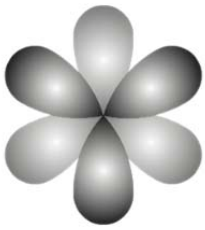
Coordination Chemistry in Biology and Medical Applications
Design of Anti-Cancer and Other Therapeutics
Radiopharmaceuticals in Nuclear Medicine
Metallo-supramolecular systems in biology
Light-, Redox-, and Structure-Controlled Metal Complexes in Biology and Medicine
MRI and PET Diagnostic and Theranostic Applications
Metal ions in neurodegenerative disease (MIND)
Light-driven Processes as Targets in Potential Therapeutics



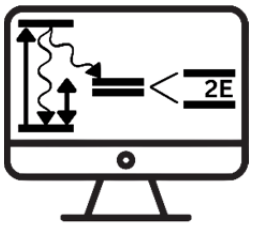
Supramolecular Chemistry and 3D Materials
Coordination Cages
Innovations in Reticular Synthesis and Framework Assembly
MOF Research and Applications
MOFs as Platforms for Catalysis and Reactivity Control
MOFs for Analysis and Analysis for MOF
MOFs for Sustainable Energy, Environment, and Resource Applications
Quantum Phenomena and Emergent Properties in MOFs



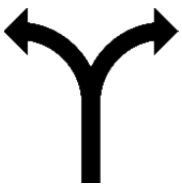
Main Group Elements
Main Group Catalysis and Materials Science
P-block Elements in Exotic Electronic States and Constrained Geometries
Phosphorus in Low Valency and Low Coordination



4f/5f-Elements
Lanthanide Luminescence for Advanced Applications
Contemporary Molecular Magnetism



Electronic and Molecular Structure – Methods and Modeling
Advanced EPR for Coordination Chemistry
Advanced X-ray, Diffraction, and Ultrafast Optical Methods
Modelling of Metal-Organic Frameworks
Quantum Bio-Inorganic Chemistry
Spin states and reactivity



New Directions in Coordination Chemistry
Fluorinated Ligands in Coordination Chemistry
From Interfacial to Spatially Confined Organometallic Chemistry
Metal Oxo Clusters and Oligonuclear Oxo Complexes - from Building Blocks to Function
Molecular Spin Qubits and Molecular Spintronics Based on Molecular Magnets
Organoradioelement Chemistry
Triggered Assembly of Functional Coordination Complexes

Symposium organizers

We extend a very special thank you to those who answered our call in mid-2025 with proposals for symposia and those who accepted being volunteered by us to do this job.

Alexander Schnegg, Max Planck Institute for Chemical Energy Conversion, Germany
Amy Cordones-Hahn, SLAC National Accelerator Laboratory, USA
Andreas Roodt, University of the Free State, South Africa
Andrew Weller, University of York, UK
Arianna Lanza, University of Copenhagen, Denmark
Arnab Dutta, Indian Institute of Technology, Bombay, India
Benjamin Van Kuiken, European XFEL, Germany
Biprajit Sarkar, Freie Universität Berlin, Germany
Carol Hua, University of Melbourne, Australia
Carles Bo, Institut Català d'Investigació Química, ICIQ, Spain
Carole Duboc, University of Grenoble Alpes, CNRS, France
Christian Müller, Freie Universität Berlin, Germany
Christine McKenzie, University of Southern Denmark, Denmark
Chunying Duan, Dalian University of Technology, Nanjing University, China
Constanze Neumann, Max-Planck-Institut für Kohlenforschung, Germany
Craig Day, University of Copenhagen, Denmark
Daniel N. Rainer, University of Southampton, UK
David Powers, Texas A&M University, USA
Debbie Crans, Colorado State University, USA
Dillip Kumar Chand, Indian Institute of Technology Madras, India
Dimitrios Pantazis, Max-Planck-Institut für Kohlenforschung, Germany
Elisa Biasin, Pacific Northwest National Laboratory, USA
Ellis Smith, University of Southern Denmark, Denmark
Eunsung Lee, Seoul National University, South Korea
Franc Meyer, University of Göttingen, Germany
Gyula Tircsó, University of Debrecen, Hungary
Hajime Kameo, Osaka Metropolitan University, Japan
Inke Siewert, Göttingen University, Germany
Isaac Garcia Bosch, Carnegie Mellon University, USA
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Mauro Perfetti, University of Florence, Italy
Maximilian Roca Jungfer, Karlsruhe Institute of Technology, Germany
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Michael Hannon, University of Birmingham, UK
Michelle Ma, King's College London, UK
Mingming Zhang, Xi'an Jiaotong University, China
Moritz Malischewski, Freie Universität Berlin, Germany
Morten Jannik Bjerrum, University of Copenhagen, Denmark

Plenary Speakers

Professor Paul Donnelly, The University of Melbourne, Australia.
Sunday 28th June 17.20pm.
Professor Paul Donnelly is the Richard Robson Chair of Chemistry at the University of Melbourne and a leader in bioinorganic chemistry. His research focuses on the design of metal-based agents for imaging and therapy. He has co-authored over 200 publications and is an inventor on more than 18 patents, many commercially licensed. His work has led to clinical trials involving radiopharmaceuticals for cancer as well as therapeutics for neurodegenerative diseases. Donnelly's contributions have been recognized with numerous awards, including the David Syme Prize and multiple honors from the Royal Australian Chemical Institute.

Professor Erwin Reisner, University of Cambridge, United Kingdom.
Monday 29th June 8.30 am.
Professor Erwin Reisner is Professor of Energy and Sustainability at the University of Cambridge. Trained in Vienna, MIT, and Oxford, his research develops sustainable chemical systems inspired by biology, including solar-driven catalysis. He holds an ERC Advanced Grant and a Royal Academy of Engineering Chair in Emerging Technologies. Reisner has received major recognitions including the Royal Society's Hughes Medal and the RSC Tilden Prize. He serves on advisory boards for leading journals and is widely recognized for advancing artificial photosynthesis and renewable energy chemistry.

Professor Marinella Mazzanti, EPFL, Switzerland.
Tuesday 30th June 8.30 am.
Professor Marinella Mazzanti is Chair of Coordination Chemistry at EPFL. Her research explores the chemistry of f- and d-block elements, with emphasis on redox reactivity, supramolecular systems, and small molecule activation. After training in Pisa, Lausanne, and California, she held a long-standing position at CEA Grenoble before joining EPFL in 2014. She has published over 200 articles and currently serves as Associate Editor of *Chemical Communications*. Her recent work focuses on dinitrogen activation and unusual oxidation states in f-element chemistry, earning her major international awards.

Professor Amy C. Rosenzweig, Northwestern University, USA.
Wednesday 1st July 8.30 am.
Professor Amy C. Rosenzweig is the Weinberg Family Distinguished Professor of Life Sciences at Northwestern University. A pioneer in bioinorganic chemistry and structural biology, she studies metalloproteins and metal-mediated biological processes. Her work on methane monooxygenase has provided key insights into biological methane oxidation. She is a member of the U.S. National Academy of Sciences and a MacArthur Fellow. Her numerous awards include the Alfred Bader Award and the Joseph Chatt Award. Rosenzweig's research continues to shape understanding of metals in biology.

Professor Mizuki Tada, Nagoya University, Japan.
Thursday 2nd July 8.30 am.
Professor Mizuki Tada is Professor of Chemistry at Nagoya University. She received her PhD from the University of Tokyo and has held positions there, at the Institute for Molecular Science, and at RIKEN's SPring-8 facility. Her research focuses on the design of metal-complex catalysts, heterogeneous catalysis, and advanced operando imaging techniques such as XAFS-CT. She studies functional materials including catalysts, MOFs, and fuel cells, with an emphasis on understanding structure–activity relationships under working conditions.

Professor Frank Neese, Max Planck Institute for Kohlenforschung, Germany.
Friday 3rd July 12.00 pm.
Professor Frank Neese is Director at the Max Planck Institute for Kohlenforschung and a leading figure in theoretical chemistry. He is renowned for developing computational methods for transition metal chemistry and spectroscopy, including the widely used ORCA program. Neese has authored over 700 publications and is consistently ranked among the most highly cited chemists worldwide. His work spans electronic structure theory, spectroscopy, and reactivity of metal complexes and metalloenzymes. His honors include the Leibniz Prize, Schrödinger Medal, and ACS Award in Inorganic Chemistry.

Social Program Wednesday 1st July

Egeskov Castle

Egeskov Castle, 22 km south of Odense on the island of Funen, is one of Europe's best-preserved Renaissance water castles. It was built in 1554 during a period of political unrest following the Reformation. The castle stands on a lake, supported by thousands of oak piles driven into the ground, which inspired its name, meaning "oak forest." Designed as a fortress, it features thick walls, secret passages, and defensive towers. Over the centuries, the estate passed through several noble families, often through inheritance and marriage. In the 18th century, the surrounding gardens were redesigned into elegant, landscaped parkland. Today, the castle remains inhabited by the Ahlefeldt-Laurvig-Bille family. It has been open to the public for several decades. Visitors can explore historic interiors, museums, and extensive gardens. An afternoon tour including afternoon tea is arranged for delegates.

Holckenhavn Castle

Holckenhavn Castle, 23 km south-east of Odense is a striking example of late Renaissance architecture. It was built between 1588 and 1590 on the site of a former monastery. The castle was designed with symmetrical red-brick wings, decorative gables, and four corner towers, reflecting both elegance and strength. Surrounded by a moat and set within a landscaped estate, it combines defensive features with refined noble living. It has been in the hands of the Holck family for ten generations. The wine-paired dinner arranged for the delegates will be held in the Knight's Hall where the walls and ceiling are covered with frescos dating back to the early 17th century.

Major program sponsors

ODENSE KOMMUNE

Support for opening reception

Novo Nordisk Foundation

Support for Plenary lectures and symposia in Bond Activation and Catalysis

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Plenary Lectures

Abstract number: **A-BCD-E**

A: Theme code:

BM: Coordination Chemistry in **B**iology and **M**edical Applications
CB: **C**atalysis and **B**ond Activation
ES: Coordination Compounds for **E**nergy and **S**ustainability Applications
FB: 4f/5f-Elements (=**F**-**B**lock)
MG: **M**ain **G**roup Elements
MM: Electronic and Molecular Structure – **M**ethods and **M**odeling
ND: **N**ew **D**irections in Coordination Chemistry
SM: **S**upramolecular Chemistry and 3D **M**aterials

B: Time slot:

	Monday	Tuesday	Wednesday	Thursday	Friday
Morning (9.25-12.20)	**0**	**2**	**4**	**5**	**7**
Afternoon (13.40-16.35)	**1**	**3**		**6**	
Flash (16.40-17.05)	**8***	**8***		**9**	

*Monday: Talk numbers 0-4, Tuesday: talk numbers 5-9.

C: Lecture hall:

Hall 2+4	Hall 1	Hall K2	Hall K3	Hall K4	Room 200	Room 207	Room 107	Room 105+106	Room B+C+D
0	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**

D: Talk number within session.

E: Presentation type:

K: Keynote
I: Invited talk
O: Oral (contributed talk)
F: Flash presentation and poster
P: Poster

For posters without flash presentation, numbers are above 1000: **A-1xxx-P**
Authors should be at their posters for discussions:

P: Monday (17-19) if the abstract number is **blue**.
The last two digits are 01, 04, 07, 10, .. etc
Tuesday (17-19) if the abstract number is **red**.
The last two digits are 02, 05, 08, 11, .. etc
Thursday (17-19) if the abstract number is **green**.
The last two digits are 03, 06, 09, 12, .. etc

F: In the poster session immediately after the corresponding flash presentation

Example 1:
Ola Wendt, ES-045-K
This Keynote lecture (**K**) is under the theme **ES** = ”Coordination Compounds for Energy and Sustainability Applications”.
It will take place Monday morning (**0**) in K4 (**4**) as talk number **5**.

Example 2:
Reza Khaleghi Abasabadi, SM-872-F
This flash presentation (**F**) is under the theme **SM** = ”Supramolecular Chemistry and 3D Materials”
It will take place in the flash presentation time slot Monday (16.40-17.05) (**8**) in Room 107 (**7**) as talk number **2**.
The corresponding poster has the same number. The author will be available for discussions in the poster session Monday right after the flash presentation

Example 3:
Ellis Smith, BM-1012-P
This poster (**P**) is under the theme **BM** = ”Coordination Chemistry in Biology and Medical Applications”.
The last two digits are **12** which means the author will be available for discussions at the poster session Thursday.

ORAL PROGRAM

Symposium 0: Hall 2+4: Proton-coupled Electron Transfer Reactivity of Natural and Bioinspired Complexes-1

Chairs: Isaac Garcia Bosch, Ebbe Nordlander

CB-001-I *Jackson, T.*, *University of Kansas, Lawrence KS, USA*
PROTON-COUPLED ELECTRON TRANSFER REACTIONS BY METAL-HYDROXO COMPLEXES

CB-002-O *Tamhankar, M.*, *Imperial College London, London, UK*
NON-INNOCENT ALUMINIUM(III) COMPLEXES: PLATFORMS FOR PROTON AND ELECTRON TRANSFER

CB-003-O *Thorogood, J.M.*, *Trinity College Dublin, Dublin, Ireland*
ELECTROCHEMICAL OXIDATION OF MAGNESIUM PORPHYRINS: MIMICKING P680 REACTIVITY

CB-004-I *Sen Gupta, S.*, *Indian Institute of Science Education and Research, Kolkata, India*
BIO-INSPIRED HIGH-VALENT IRON COMPLEXES FOR C–H FUNCTIONALIZATION: INSIGHTS INTO HYDROGEN ATOM TRANSFER MECHANISMS

CB-005-K *Meyer, F.*, *University of Göttingen, Göttingen, Germany*
INTRINSIC LIGAND EFFECTS ON ELECTRONIC STRUCTURES AND H-ATOM ABSTRACTION REACTIVITY OF ORGANOMETALLIC OXOIRON(IV) INTERMEDIATES

CB-006-O *Ehtisham, M.*, *Universitat de Girona, Girona, Spain*
PREDICTING STEREOSELECTIVITY IN γ-LACTONIZATION THROUGH A SIMPLE COMPUTATIONAL MODEL OF THE REACTANT COMPLEX

CB-007-O *Garcia-Bosch, I.*, *Carnegie Mellon University, Pittsburgh, United States of America*
MULTI-PROTON MULTI-ELECTRON TRANSFORMATIONS CARRIED OUT BY 3D METAL COMPLEXES BEARING REDOX-ACTIVE LIGANDS

CB-008-I *Warren, T.*, *Johns Hopkins University, Baltimore, USA*
PCET IN ELECTROCATALYTIC AMMONIA OXIDATION

Symposium 1: Hall 1: Design of Anti-Cancer and Other Therapeutics-1

Chairs: Urszula Komarnicka, Debbie Crans

BM-011-I *Hadjikakou, S.*, *University of Ioannina, Ioannina, Greece*
HYBRID METALLODRUGS TARGETING BREAST TUMOR CANCER PROLIFERATION

BM-012-O *Ang, W.H.*, *National University of Singapore, Singapore, SIngapore*
COMBINATORIAL COORDINATION CHEMISTRY FOR DISCOVERY OF THERAPEUTIC ORGANOTRANSITION METAL COMPLEXES

BM-013-O *Blaszczak, E.*, *Medical University of Lublin, Lublin, Poland*
EXPLORING THE ANTICANCER POTENTIAL OF ORGANOMETALLIC Ir(III), Ru(II) AND Os(II) COMPLEXES WITH A FOCUS ON FERROPTOSIS

BM-014-I *Ciurli, S.*, *University of Bologna, Bologna, Italy*
Ni(II) BINDING RESHAPES THE ENERGY LANDSCAPE OF HypA TO PROMOTE NICKEL TRAFFICKING IN *Helicobacter pylori*

BM-015-K *Rompel, A.*, *University of Vienna, Vienna, Austria*
POLYOXOMETALATES AT THE BIOLOGY INTERFACE: FROM SOLUTION CHEMISTRY TO CELLULAR FUNCTION

BM-016-O *Merlino, A.*, *University of Napoli Federico II, Naples, Italy*
PROTEIN METALATION BY VANADIUM COMPOUNDS: A CRYSTALLOGRAPHER'S PERSPECTIVE

BM-017-O *Banti, Ch.*, *University of Ioannina, Ioannina, Greece*
SILVER(I)-ANTIBIOTIC-LOADED PHEMA CONTACT LENSES AS THERAPEUTIC HYDROGELS

BM-018-I *Tinoco, A.*, *University of Puerto Rico Río Piedras, San Juan, Puerto Rico*
TUNING THE ANTICANCER PROPERTIES OF THE IRON CHELATOR TRIAPINE VIA NONIRON METALATION AND REDOX ACTIVE MOIETY AND DUAL CHELATOR CONJUGATION

Symposium 2: K2: Bioinspired Small Molecule Activation: Electronic Structure Governs Reactivity-1

Chairs: Yisong Guo, Shengfa Ye

CB-021-I *Jiao, L.*, *Tsinghua University, Beijing, China*
OBSERVATION OF β-CARBON ELIMINATION IN ALKENYL-PALLADIUM COMPLEXES

CB-022-O *Kundu, S.*, *Indian Institute of Science Education and Research (IISER), Thiruvananthapuram, India*
DECODING REDUCTIVE TRANSFORMATIONS OF NITRITE AT METAL(II): LINKS TO NITRIC OXIDE (NO) AND NITROXYL (HNO)

CB-023-O *Burri, L.*, *University of Bern, Bern, Switzerland*
NITRILE ACTIVATION IN PLATINUM-BASED LIGAND BACKBONE MANIPULATION

CB-024-I *Tan, G.*, *Sun Yat-sen University, Guangzhou, China*
ACHIEVING ORBITAL QUASI-DEGENERACY IN MONOCOORDINATE MAIN-GROUP COMPOUNDS

CB-025-K *Xi, Z.*, *Peking University, Beijing, China*
INTERCONVERSION BETWEEN END-ON AND SIDE-ON CHROMIUM-HYDRAZIDO COMPLEXES IN NITROGEN FIXATION PROCESS

CB-026-O *Joyce, J.*, *Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*
REASSIGNING THE Fe-HYDRIDE STRUCTURE OF Mo-NITROGENASE'S N_2 BINDING INTERMEDIATE: A QM/MM STUDY

CB-027-O *Nielsen, M.*, *Technical University of Denmark, Lyngby, Denmark*
HYBRID CATALYSIS FOR VALORIZATION OF BIOMASS AND CO_2

CB-028-I *Wang, D.*, *University of Montana, Montana, USA*
TUNNING THE C-H BOND ACTIVATION REACTIVITY OF HIGH-VALENT NON-OXO-COBALT(IV) COMPLEXES USING COORDINATING ANIONS

Symposium 3: K3: Phosphorus in Low Valency and Low Coordination

Chairs: Rudolf Pietschnig, Christian Müller

MG-031-I *Webster, R.*, *University of Cambridge, Cambridge, UK*
CATALYTIC AND STOICHIOMETRIC TRANSFORMATIONS OF PHOSPHAALKYNES AND DEWAR-1,3,5-TRIPHOSPHABENZENE

MG-032-O *Balázs, G.*, *University of Regensburg, Regensburg, Germany*
PHOSPHORUS-BASED INORGANIC COBALT SANDWICH COMPLEXES

MG-033-O *Nikonov, G.*, *Brock University, Ontario, Canada*
BASE-STABILIZED PHOSPHINIDENES

MG-034-I *Sasamori, T.*, *University of Tsukuba, Ibaraki, Japan*
PHOSPHINE-STABILIZED PHOSPHENIUM/STIBENIUM IONS INCORPORATED INTO A [2]FERROCENOPHANE FRAMEWORK

MG-035-K *Velian, A.*, *University of Washington, Seattle, USA*
PHOSPHINE-LIKE REACTIVITY OF BLACK PHOSPHORUS NANOSHEETS

MG-036-O *Coburger, P.*, *Technical University Munich, Garching, Germany*
ONIUM-SUBSTITUTED DIPHOSPHACYLOBUTADIENYL COMPLEXES: MODULAR ACCESS AND UNIQUE REACTIVITY

MG-037-O *Macdonald, C.*, *Dalhousie University, Halifax, Canada*
PHOSPHORUS(I), PHOSPHORUS(III) AND PHOSPHORUS(V) CHEMISTRY OF AN NCN PINCER LIGAND

MG-038-I *Reinholdt, A.*, *Lund University, Lund, Sweden*
UNLEASHING PHOSPHORUS MONONITRIDE

Symposium 4: K4: Coordination Chemistry for Sustainability-1

Chairs: Andreas Roodt, Radosław Kamiński

ES-041-I *Jarzembska, K.*, *University of Warsaw, Warsaw, Poland*
PHOTOCRYSTALLOGRAPHY AS A TOOL FOR MONITORING SOLID-STATE PROCESSES

ES-042-O *Willans, R.*, *University of York, York, UK*
$K_2[Ir(OH)_6]$: AN ISOLABLE INTERMEDIATE IN THE REFINING OF COMPLEX CHLOROIRIDATE MIXTURES INTO SYNTHETICALLY USEFUL IRIDIUM(III) COORDINATION COMPLEXES

ES-043-O *Facchetti, G.*, *University of Milan, Milan, Italy*
ENANTIOSELECTIVE ACCESS TO *L*-CARNOSINE VIA ONE-POT CATALYTIC PROTOCOL

ES-044-I *Schutte-Smith, M.*, *University of the Free State, Bloemfontein, South Africa*
CONNECTING MOLECULAR BEHAVIOUR TO REAL-WORLD FUNCTION AND SUSTAINABILITY

ES-045-K *Wendt, O.F.*, *Lund University, Lund, Sweden*
IRIDIUM CATALYSED HYDROGEN TRANSFER REACTIONS FOR HYDROGEN STORAGE AND MORE

ES-046-O *Rosca, D.-A.*, *Université de Rennes, Rennes, France*
COMPRESSING THE SPIN LADDER: UNDERSTANDING ELECTRONIC STRUCTURE FOR REACTIVITY CONTROL IN EARTH-ABUNDANT TRANSITION-METAL CATALYSIS

ES-047-O *van der Vlugt, J.I.*, *University of Oldenburg, Oldenburg, Germany*
IRON AGE 2.0 – CHEMO- AND ENANTIOSELECTIVE C-H AMINATION

ES-048-I *Broere, D.L.J.*, *Utrecht University, Utrecht, The Netherlands*
OLD DOGS WITH NEW METAL-LIGAND COOPERATIVE TRICKS

Symposium 5: Room 200: Dynamic Electronic States and Phase Transitions in Metal Complexes-1

Chairs: Birgit Weber, Eric Collet

ND-051-I *Collet, E.*, *Institut Universitaire de France (IUF), France*
MULTISCALE PHASE NUCLEATION DRIVEN BY PHOTOINDUCED POLARONS IN A CHARGE-TRANSFER MATERIAL

ND-052-O *Delaporte, S.*, *Université Paris-Saclay, Orsay, France*
ELECTRONIC PROPERTIES AND VALENCE TAUTOMERISM IN TRINUCLEAR METAL COMPLEXES

ND-053-O *Cirera, J.*, *Universitat de Barcelona, Barcelona, Spain*
PREDICTING SPIN-CROSSOVER TRANSITION TEMPERATURES FROM ELECTRONIC STRUCTURE

ND-054-I *Boskovic, C.*, *University of Melbourne, Parkville, Australia*
SPIN CROSSOVER IN COBALT AND IRON COMPLEXES OF AMINOPHENOLATE DERIVED LIGANDS

ND-055-K *Weber, B.*, *Friedrich Schiller University, Jena, Germany*
HYSTERESIS AND TRAPPING EFFECTS IN IRON(II) AND IRON(III) SPIN CROSSOVER COMPLEXES

ND-056-O *Chang, H.-C.*, *Chuo University, Tokyo, Japan*
MOLECULAR LATTICE ENGINEERING FOR VALENCE TAUTOMERISM

ND-057-O *Sekine, Y.*, *Kumamoto University, Kumamoto, Japan*
SUPRAMOLECULAR CONTROL OF ELECTRON-TRANSFER-COUPLED SPIN TRANSITIONS IN MOLECULAR PRUSSIAN BLUE ANALOGUES

ND-058-I *Miyasaka, H.*, *Tohoku University, Sendai, Japan*
PROTON-COUPLED CHARGE TRANSFER INDUCING MAGNETIC PHASE TRANSFORMATION IN LAYERED METAL-ORGANIC FRAMEWORKS

Symposium 6: Room 207: Confined Catalysis within Coordination Capsule-1

Chairs: Chunying Duan

CB-061-I *Long, D.-L.*, *The University of Glasgow, Glasgow, UK*
POLYOXOMETALATES AS CATALYSTS IN REDOX REACTIONS

CB-062-O *Sheet, N.*, *Nagoya University, Aichi, Japan*
UNRAVELLING THE Nb LOCAL STRUCTURE IN THE Nb-BETA ZEOLITE VIA EXAFS ANALYSIS

CB-063-O *Stewart, M.*, *Australian National University, Canberra, Australia*
3,5-BIS(2-PYRIDYL)PYRAZOLYL: A DITOPIC LIGAND FOR BIMETALLIC CATALYSIS

CB-064-I *Serre, Ch.*, *PSL University, Paris, France*
NEW INSIGHTS INTO METAL(IV) METAL-ORGANIC FRAMEWORKS PHOTOCATALYSTS

CB-065-K *Duan, C.*, *Nanjing University, Nanjing, China*
CONFINED METAL-ORGANIC CAPSULE FOR MULTI-PHOTON MULTI-ELECTRON CATALYSIS

CB-066-O *Zhao, L.*, *Dalian University of Technology, Dalian, P. R. China*
CONSTRUCTION OF CONFINED COORDINATION CAPSULES FOR CASCADE CATALYSIS

CB-067-O *Pfund, B.*, *Michigan State University, Michigan, United States*
BEYOND THE LOWEST EXCITED STATE: HIGHER EXCITED-STATE REACTIVITY IN IRON(II) VIA PYRIDINIUM-CABENE COORDINATION

CB-068-I *Pullen, S.*, *University of Amsterdam, Amsterdam, The Netherlands*
SUPRAMOLECULAR STRATEGIES FOR SELECTIVE CO_2 CAPTURE AND CONVERSION FROM AIR

Symposium 7: Room 107: Coordination Cages-1

Chairs: Mingming Zhang, Dillip Kumar Chand

SM-071-I *Beves, J.*, *University of New South Wales, Sydney, Australia*
VISIBLE-LIGHT RESPONSIVE METALLOSUPRAMOLECULAR CAGES

SM-072-O *Hardie, M.*, *University of Leeds, Leeds, UK*
HOST-BASED METAL-ORGANIC CAGES

SM-073-O *Lee, J.*, *Chonnam National University, Gwangju, Republic of Korea*
STRUCTURAL DIVERSITY AND ASSEMBLY OF AZOLE-BASED METAL COMPLEXES

SM-074-I *Chand, D.*, *Indian Institute of Technology Madras, Chennai, India*
LIGAND ISOMERISM IN SINGLE/MULTI CAVITY DISCRETE COORDINATION CAGES

SM-075-K *Mukherjee, P.*, *Indian Institute of Science, Bangalore, India*
CHEMICAL TRANSFORMATIONS IN MOLECULAR VESSELS

SM-076-O *Lewis, J.*, *University of Birmingham, Birmingham, United Kingdom*
DESIGN PRINCIPLES FOR LOW SYMMETRY COORDINATION CAGES

SM-077-O *Rit, A.*, *Indian Institute of Technology Madras, Chennai, India*
BRIDGING SUPRAMOLECULAR ORGANOMETALLIC CHEMISTRY AND POROUS ARCHITECTURES

SM-078-I *McConnell, A.*, *University of Siegen, Siegen, Germany*
LIGHT-RESPONSIVE AND SPIN-CROSSOVER CAGES

Symposium 8: Room 105+106: Quantum Bio-Inorganic Chemistry-1

Chairs: Dimitrios Pantazis, Maylis Orio

MM-081-I *Arrigoni, F.*, *University of Milano-Bicocca, Milan, Italy*
COMPUTATIONAL INSIGHTS INTO NATURAL AND BIOMIMETIC HYDROGENASE SYSTEMS

MM-082-O *Kardam, V.*, *Jeonbuk National University, Jeonbuk, Republic of Korea*
N-DEALKYLATION BY IRON–PEROXO COMPLEXES: A DFT STUDY

MM-083-O *Tircsó, G.*, *University of Debrecen, Debrecen, Hungary*
ENHANCING RELAXIVITY FOR Mn(II)-BASED MRI PROBES USING MACROMOLECULAR PLATFORMS

MM-084-I *Kraemer, T.*, *Trinity College Dublin, Dublin, Ireland*
REACTIVITY OF LOW-VALENT GROUP 13 COMPOUNDS

MM-085-K *Swart, M.*, *Universitat de Girona, Girona, Spain*
REACTIVE INTERMEDIATE FORMATION IN NON-HEME IRON COMPLEXES

MM-086-O *Stier, M.*, *University of Stuttgart, Stuttgart, Germany*
MODELING REDOX PROCESSES IN METALLOPROTEINS: OXIDATIVE DEACTIVATION OF ACONITASE

MM-087-O *Drosou, M.*, *Technische Universität Darmstadt, Darmstadt, Germany*
MULTIREFERENCE DESCRIPTION OF O–O BOND FORMATION IN A MODEL COBALT OXIDE DIMER

MM-088-I *Orio, M.*, *Aix-Marseille Université, Marseille, France*
EXPLORING COPPER METALLOENZYMES: AN INTERPLAY BETWEEN EPR SPECTROSCOPY AND THEORY

Symposium 9: Room B+C+D: Metal Oxo Clusters and Oligonuclear Oxo Complexes - from Building Blocks to Function-1

Chairs: Vadim Kessler, John Errington

ND-091-I *Jensen, K.*, *University of Copenhagen, Copenhagen, Denmark*
STRUCTURE CHARACTERIZATION OF METAL OXO CLUSTERS IN SOLUTION USING TOTAL SCATTERING – FROM CLUSTERS TO MATERIALS

ND-092-O *Kasagiri, T.*, *The University of Tokyo, Tokyo, Japan*
POROUS IONIC CRYSTALS BASED ON POLYOXOTHIOMETALATES

ND-093-O *Lichtenberg, A.*, *University of Cologne, Cologne, Germany*
THE DESIGN OF ACTINIDE (Th, U) COORDINATION COMPOUNDS AS MOLECULAR PRECURSORS FOR CVD OF ACTINIDE-BASED THIN FILMS

ND-094-K *Mathur, S.*, *University of Cologne, Cologne, Germany*
METAL ALKOXIDES AS MOLECULAR GATEWAYS TO FUNCTIONAL METAL OXIDE MATERIALS FOR ENERGY APPLICATIONS

ND-096-O *Minato, T.*, *Hiroshima University, Japan*
STRUCTURAL TRANSFORMATION OF A MANGANESE OXO CLUSTER WITHIN POLYOXOMETALATES BY THERMAL TREATMENT

ND-097-O *Soriano-López, J.*, *Universitat de València, Paterna, Spain*
POM/2D NANOCOMPOSITES AS ENERGY MATERIALS

ND-098-I *John, Ł.*, *University of Wrocław, Wrozław, Poland*
FROM CAGE ARCHITECTURE TO BIOMATERIALS: THE ROLE OF MULTIFUNCTIONAL SILSESQUIOXANES

ND-099-I *Bo, C.*, *Institut Català d'Investigació Química (ICIQ), Tarragona, Spain*
NEW COMPUTATIONAL INSIGHTS INTO THE SPECIATION AND FORMATION OF POLYOXOMETALATES

Symposium 0: Hall 2+4: Proton-coupled Electron Transfer Reactivity of Natural and Bioinspired Complexes-2

Chairs: Isaac Garcia Bosch, Ebbe Nordlander

CB-101-I *Baek, Y.*, *Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*
ORCHESTRATING SEMIQUINONE STABILITY FOR CATALYTIC PROTON-COUPLED ELECTRON TRANSFER

CB-102-O *Wojdyla, Z.*, *Czech Academy of Sciences, Prague, Czech Republic*
EXPLORING THE SHIFT FROM PROTON-COUPLED TO HYDRIDE-COUPLED ELECTRON TRANSFER

CB-103-O *Sarma, R.*, *Carnegie Mellon University, Pittsburgh, USA*
MACHINE LEARNING ACCELERATED BOND DISSOCIATION FREE ENERGY DETERMINATION OF REDOX-ACTIVE MOLECULES INVOLVED IN PCET

CB-104-O *Browne, W.R.*, *University of Groningen, Groningen, The Netherlands*
TRANSIENT FORMAL Fe(V)=O SPECIES CAUGHT BY HIGH-SPEED AND CONTINUOUS FLOW SPECTROSCOPY

CB-105-I *Nordlander, E.*, *Lund University, Lund, Sweden*
STEPWISE VS COUPLED ELECTRON PROTON TRANSFER IN ELECTROCATALYTIC PROTON REDUCTION

CB-106-K *Krewald, V.*, *Technische Universität Darmstadt, Darmstadt, Germany*
AB INITIO QUANTIFICATION OF THE NUCLEAR DIMENSIONS FOR ELECTRON TRANSFER AND PROTON-COUPLED ELECTRON TRANSFER

CB-107-O *Call, A.*, *Universitat de Girona, Girona, Spain*
STEREOSELECTIVE LACTONIZATION AT NONACTIVATED PRIMARY AND SECONDARY C-H BONDS

CB-108-O *Kupfer, S.*, *Friedrich Schiller University, Jena, Germany*
PHOTO-INDUCED ELECTRON TRANSFER WITHIN THE MARCUS PICTURE AND BEYOND

Symposium 1: Hall 1: Design of Anti-Cancer and Other Therapeutics-2

Chairs: Urszula Komarnicka, Debbie Crans

BM-111-I *Hartinger, Ch.*, *University of Auckland, Auckland, New Zealand*
PROTEIN-BINDING ANTICANCER METAL COMPLEXES: THE GOVERNING PARAMETERS DETERMINING PROTEIN METALATION

BM-112-O *Gioppo Nunes, G.*, *Universidade Federal do Paraná, Curitiba, Brazil*
EXPLORING A TRIALKOXO HEXAVANDATE AND ITS PLA-BASED NANOPARTICLES AGAINST BREAST CANCER

BM-113-O *Wojtala, D.*, *University of Wroclaw, Wrocław, Poland*
INCORPORATION OF ALKALOID DERIVATIVES INTO ORGANOMETALLIC COMPOUNDS: A SELECTIVE ASSAULT ON CANCER

BM-114-O *Scalese, G.*, *Universidad de la República, Montevideo, Uruguay*
TARGETING DENGUE AND ZIKA VIRUS SERINPROTEASES WITH POLYOXOMETALATES

BM-115-I *Gandin, V.*, *University of Padova, Padova, Italy*
NEW COPPER(I) COMPLEXES FOR THERANOSTIC APPLICATIONS: FROM SMALL MOLECULES TO SELF-ASSEMBLED SUPRAMOLECULAR NANOPLATFORMS

BM-116-K *Michaud-Soret, I.*, *Université Grenoble Alpes, Grenoble, France*
THE AMAZING FACETS OF THE FUR REGULATORS & METAL HOMEOSTASIS AND COMPARTIMENTATION IN *ANABAENA* SP. NITROGEN-FIXING CYANOBACTERIA

BM-117-O *Bernkop-Schnürch, A.*, *University of Innsbruck, Innsbruck, Austria*
FERROPTOSIS-INDUCING IRON(III) COMPLEXES: LIGAND ENGINEERING CONTROLS UPTAKE, REDOX ACTIVITY, AND ANTICANCER EFFICACY

BM-118-O *Lord, R.*, *University of Warwick, Coventry, UK*
HETEROBIMETALLIC RUTHENIUM-FERROCENE COMPLEXES AS ANTICANCER AGENTS

Symposium 2: K2: Bioinspired Small Molecule Activation: Electronic Structure Governs Reactivity-2

Chairs: Yisong Guo, Shengfa Ye

CB-121-I *Wang, W.*, *Beijing Normal University, Beijing, China*
REDUCTION OF NITRIC OXIDE AT IRON–MOLYBDENUM COMPLEXES

CB-122-O *Di Berto Mancini, M.*, *University of Amsterdam, Amsterdam, The Netherlands*
PHOTOREDOX ENTATIC CATALYSIS IN POROUS MATERIALS

CB-123-O *Weber, S.*, *TU Wien, Vienna, Austria*
IRON COMPLEXES SUPPORTED BY PNPN SEESAW LIGANDS

CB-124-O *Naher, M.*, *University of Queensland, Brisbane, Australia*
DIVALENT ORGANOCOPPER COMPLEXES: MASKED RADICALS FOR EFFECTIVE ELECTROCHEMICALLY DRIVEN ATOM TRANSFER RADICAL ADDITION (eATRA)

CB-125-I *Zhang, M.-T.*, *Tsinghua University, Beijing, China*
OXYANIONS ACTIVATION ENABLED BY A DINUCLEAR IRON-NHC (N-HETEROCYCLIC CARBENE) COMPLEX

CB-126-K *DeBeer, S.*, *Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*
SHINING LIGHT ON BIOLOGICAL NITROGEN FIXATION

CB-127-O *Gunther, M.*, *Université Grenoble Alpes, Gières, France*
HETEROGENIZED BIOINSPIRED COPPER-BASED DINUCLEAR ELECTROCATALYSTS FOR STRONG C-H BOND ACTIVATION

CB-128-O *Bleher, K.*, *Karlsruhe Institute for Technology (KIT), Eggenstein-Leopoldshafen, Germany*
FROM MECHANISM TO MATERIALS: TRANSLATING BISPIDINE–Cu TOSYLIMIDO CATALYSIS ONTO EPOXYACTIVATED AGAROSE BEADS

Symposium 3: K3: MIND Symposium-1

Chairs: Thomas Meade, Christine McKenzie

BM-130-K *Lim, M.H.*, *Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*
CHEMICAL (BIOINORGANIC) STRATEGIES TO STUDY MULTIPLE FACETS IN DEMENTIA

BM-131-I *Furukawa, Y.*, *Keio University, Yokohama, Japan*
MISFOLDING OF Cu/Zn-SUPEROXIDE DISMUTASE ASSOCIATED WITH NEURODEGENERATIVE DISEASES

BM-132-O *Lesiów, M.*, *University of Wroclaw, Wrocław, Poland*
COPPER-PRESENILIN 1 REDOX CHEMISTRY IN EARLY-ONSET ALZHEIMER'S DISEASE (EOAD)

BM-133-O *Hecel, A.*, *University of Wroclaw, Wroclaw, Poland*
FUNCTION-SPECIFIC COORDINATION CHEMISTRY OF COPPER IN BACTERIA HOMEOSTASIS

BM-134-O *Facchin, G.*, *Universidad de la República, Montevideo, Uruguay*
PHENANTHROLINE-CONTAINING COPPER COMPLEXES: EXPLORING THE INTERPLAY BETWEEN THE CYTOTOXIC ACTIVITY AND THE CHEMICAL PROPERTIES

BM-135-I *Lay, P.*, *The University of Sydney, Sydney, Australia*
VANADIUM(V) SCHIFF BASE/CATECHOLATO COMPLEXES FOR POTENTIAL EFFICACIOUS AND NEUROPROTECTIVE INTRATUMORAL TREATMENT OF BRAIN CANCERS

BM-136-I *Quintanar, L.*, *Center for Research and Advanced Studies (Cinvestav), Mexico City, Mexico*
METAL-PROTEIN INTERACTIONS IN ALZHEIMER´S DISEASE

BM-137-O *Deville, C.*, *Technical University of Denmark, Roskilde, Denmark*
PRODUCTION OF NON-MAINSTREAM RADIOMETALS AT THE HEVESY LABORATORY

BM-138-O *Lebruška, V.*, *Charles University of Prague, Prague, Czech Republic*
68-GALLIUM LABELLING OF MACROCYCLIC CHELATORS FOR SIMULTANEOUS IMAGING OF TUMORS AND BONE

BM-139-I *Storr, T.*, *Simon Fraser University, Burnaby, Canada*
MULTIFUNCTIONAL COMPOUNDS THAT INHIBIT AMYLOID-BETA PEPTIDE AGGREGATION

BM-13A-K *Casini, A.*, *Technical University of Munich, Garching, Germany*
FORWARD-THINKING SUPRAMOLECULAR STRATEGIES FOR BLOOD-BRAIN BARRIER TRANSLOCATION AND PRECISION THERANOSTICS

Symposium 4: K4: Coordination Chemistry for Sustainability-2

Chairs: Stephen Ojwach, Fabia Grisi

ES-141-I *Darkwa, J.*, *University of Johannesburg, Auckland, South Africa*
PYRAZOLYL NICKEL AND PALLADIUM COMPLEXES AS CATALYSTS FOR THE SUSTAINABLE PRODUCTION OF ALKYLTOLUENES

ES-142-O *Luckay, R.*, *University of Stellenbosch, Stellenbosch, South Africa*
USE OF NEW AMIC ACID LIGANDS FOR THE COORDINATION AND SEPARATION OF BASE METAL IONS

ES-143-O *Malacea, R.*, *Université Bourgogne Europe, Dijon, France*
COORDINATION CHEMISTRY OF PHENOXY-AMIDINE AND BIS(PHENOXY-AMIDINE) LIGANDS

ES-144-O *Boccalon, E.*, *University of Perugia, Perugia, Italy*
GREEN HYDROGEN PRODUCTION FROM BIOMASS VALORIZATION VIA BIOMIMETIC Ir(III) COMPLEXES FEATURING CARBOHYDRATE FUNCTIONALIZED LIGANDS

ES-145-I *Grisi, F.*, *University of Salerno, Fisciano, Italy*
RUTHENIUM CATALYSTS BEARING UNSYMMETRICAL NHC LIGANDS FOR OLEFIN METATHESIS

ES-146-K *Herres-Pawlis, S.*, *RWTH Aachen University, Aachen, Germany*
TAILORED GUANIDINE COMPLEXES FOR SUSTAINABLE POLYMERISATION AND DEPOLYMERISATION

ES-147-O *Tremlett, W.*, *Imperial College London, London, UK*
FERROCENE DERIVATIVES AS UNIVERSAL ADDITIVES FOR PEROVSKITE SOLAR CELLS

ES-148-O *Armenta, P.*, *University of Wisconsin-Madison, Madison, United States*
RUTHENIUM PADDLEWHEEL COMPLEXES WITH CHELATING EQUATORIAL LIGANDS FOR AMMONIA OXIDATION

Symposium 5: Room 200: Dynamic Electronic States and Phase Transitions in Metal Complexes-2

Chairs: Shinya Hayami, Sanjit Konar

ND-151-I *Morgan, G.*, *University College Dublin, Dublin, Ireland*
SPIN STATE SWITCHING IN IRON(III) COMPLEXES – A THERMAL AND OPTICAL STUDY

ND-152-O *Krüger, H.-J.*, *RPTU University Kaiserslautern-Landau, Kaiserslautern, Germany*
COBALT COMPLEXES DISPLAYING CONSECUTIVELY OR SYNCHRONICALLY OCCURING VALENCE-TAUTOMERISM *AND* SPIN-CROSSOVER PROCESSES

ND-153-O *Konar, S.*, *Indian Institute of Science Education and Research Bhopal, Bhopal, India*
STIMULI RESPONSIVE SPIN STATE SWITCHING IN PBAS AND MOFs

ND-154-O *Schünemann, V.*, *RPTU University Kaiserslautern-Landau, Kaiserslautern, Germany*
LIGHT INDUCED EXCITED SPIN STATES IN SPIN CROSSOVER COMPLEXES EXLORED WITH ULTRA FAST AND ULTRA HIGH RESOLUTION NUCLEAR INELASTIC SCATTERING

ND-155-I *Hayami, S.*, *Kumamoto University, Kumamoto, Japan*
MOLECULAR SPIN QUBIT BEHAVIOR IN MULTIFUNCTIONAL SPIN CROSSOVER SYSTEMS

ND-156-K *Sato, O.*, *Kyushu University, Fukuoka, Japan*
POLARIZATION CONTROL VIA ELECTRONIC-STATE CONVERSION

ND-157-O *Magott, M.*, *Jagiellonian University, Kraków, Poland*
PHOTOINDUCED STRUCTURAL TRANSFORMATIONS IN MAGNETIC HEAVY TRANSITION METAL COMPLEXES

ND-158-O *Vela, S.*, *Institut de Química Avançada de Catalunya (IQAC-CSIC), Barcelona, Spain*
UNDERSTANDING KINETICALLY CONTROLLED SPIN TRANSITIONS IN BISTABLE SPIN CROSSOVER MATERIALS

Symposium 6: Room 207: Confined Catalysis within Coordination Capsule-2

Chairs: Chunying Duan

CB-161-I *Pilgrim, B.*, *The University of Nottingham, Nottingham, United Kingdom*
METAL-ORGANIC CAGES – MOVING AWAY FROM PLANAR AROMATIC LIGANDS

CB-162-O *Han, J.*, *Hong Kong Metropolitan University, Hong Kong, PR China*
SYNERGISTIC PASSIVE-COOLING HYDROGELS BY COORDINATION DESIGN: ERYTHRITOL CONFINEMENT AND TITANIUM OXIDE-TUNED HEAT FLOW IN CALCIUM IONS-ALGINATE-CELLULOSE SEMI-IPNs

CB-163-O *Joseph Abou-Fayssal, C.*, *Université Paul Sabatier, Toulouse, France*
COORDINATION POLYMERS AS CONFINEMENT PLATFORMS FOR HYDROGENATION WITH RHODIUM NANOCATALYSTS

CB-164-O *Wu, C.*, *University of Southern Denmark, Odense, Denmark*
LIGAND-COORDINATED METAL CATALYSIS IN PROTEIN, POLYMER, AND LIVING-CELL SCAFFOLDS

CB-165-I *Zhang, T.*, *Dalian University of Technology, Dalian, P. R. China*
DIRECTIONAL ELECTRON TRANSFER FOR CONFINED PHOTOCATALYSIS WITHIN METAL-ORGANIC FRAMEWORK

CB-166-K *Cui, Y.*, *Shanghai Jiao Tong University, Shanghai, P. R. China*
CHIRAL AGGREGATION AND CRYSTALLIZATION

CB-167-O *Cai, J.*, *Nanjing University, Nanjing, China*
COORDINATION CAPSULES FOR BIOMIMETIC CATALYSIS

CB-168-O *Fonseca, J.*, *University of Electronic Science and Technology of China, Chengdu, China*
ASSEMBLY AND CO-ASSEMBLY OF COVALENT ORGANIC FRAMEWORK PARTICLES INTO ORDERED SUPERSTRUCTURES

Symposium 7: Room 107: Coordination Cages-2

Chairs: Mingming Zhang, Dillip Kumar Chand

SM-171-I *Zhang, M.*, *Xi'an Jiaotong University, Xi'an, China*
MULTICOMPONENT METALLACAGES THROUGH PYRIDYL/CARBOXYLATE HETEROLEPTIC ASSEMBLY

SM-172-O *Chan, M.C.W.*, *City University of Hong Kong, Hong Kong, PR China*
DYNAMIC HELICAL METALLOPOLYMERS: CONFORMATIONS, LUMINESCENCE, APPLICATIONS

SM-173-O *Cibian, M.*, *Université du Québec à Trois-Rivières, Québec, Canada*
N-BRIDGED BIS-AMIDINE *N*-OXIDE LIGANDS AS SYNTHONS FOR MULTIMETALLIC SUPRAMOLECULAR ARCHITECTURES

SM-174-O *Tanaka, Y.*, *Institute of Science Tokyo, Yokohama, Japan*
DUAL POST-FUNCTIONALIZATION OF A POLYAROMATIC METALLOTUBE FOR FULLERENE ENGINEERING

SM-175-I *Crowley, J.*, *University of Otago, Dunedin, New Zealand*
HETEROMETALLIC LOW-SYMMETRY METALLOSUPRAMOLECULAR CAGES: SELF-ASSEMBLY, SWITCHING AND MOLECULAR RECOGNITION

SM-176-K *Clever, G.H.*, *TU Dortmund University, Dortmund, Germany*
MULTICOMPONENT ASSEMBLY OF COMPLEX MOLECULAR SYSTEMS

SM-177-O *Andersson, C.*, *Flinders University, South Australia, Australia*
EFFICIENT REMOVAL OF SHORT-CHAIN PERFLUOROALKYL SUBSTANCES BY A MOLECULAR CAGE HOST

SM-178-O *Hsu, S.*, *Kaohsiung Medical University, Kaohsiung City, Taiwan*
TUNING NUCLEARITY AND CUPROPHILICITY IN COPPER(I) β-THIOKETIMINATE COMPLEXES: FROM SPACER LENGTH TO DENTICITY

Symposium 8: Room 105+106: Quantum Bio-Inorganic Chemistry-2

Chairs: Vera Krewald, Dimitrios Pantazis

MM-181-I *Wieduwilt, E.*, *University of Duisburg-Essen, Duisburg, Germany*
WHICH FACTORS DETERMINE THE REACTIVITY OF LYTIC POLYSACCHARIDE MONOOXYGENASES?

MM-182-O *Alvarado, R.*, *Universidade da Coruña, Coruña, Spain*
REVISITING PEARSON'S HSAB PRINCIPLE: THE HARDNESS OF CATIONS AND ANIONS FROM ATOMIC POLARIZABILITIES

MM-183-O *Jaiswal, N.*, *Veer Bahadur Singh Purvanchal University, Uttar Pradesh, India*
MULTIFUNCTIONAL SCHIFF BASE METAL COMPLEXES

MM-184-O *Stein, M.*, *MPI for Dynamics of Complex Technical Systems, Magdeburg, Germany*
STABILITY OF DISULFIDE BONDS IN PROTEINS UNDER REDUCING CONDITIONS

MM-185-I *Wang, B.*, *Xiamen University, Xiamen, China*
METAL COORDINATION DYNAMICS FOR CATALYSIS OF METALLOENZYMES

MM-186-K *Shafaat, H.*, *University of California, Los Angeles, USA*
UNDERSTANDING HOW HIGHLY COVALENT NICKEL-THIOLATE INTERACTIONS MODULATE THE REACTIVITY OF MODEL METALLOENZYMES

MM-187-O *Baran, P.*, *Juniata College, Huntingdon, USA*
HIGH-TEMPERATURE ANTIFERROMAGNETISM IN TRINUCLEAR COPPER(II) COMPLEXES WITH GUANINE 3-N-OXIDE – MIMICKING MAGNETIC BEHAVIOR IN TYPE 3 COPPER PROTEINS

MM-188-O *Zienkiewicz-Machnik,* , *Polish Academy of Sciences, Warszawa, Poland*
PYRAZOLE-BASED POLYDENTATE COMPLEXES OF THE FIRST-ROW TRANSITION METALS AS LOW-WEIGHT BIOMIMETICS

Symposium 9: Room B+C+D: Metal Oxo Clusters and Oligonuclear Oxo Complexes - from Building Blocks to Function-2

Chairs: Carles Bo, Nadiia Gumerova

ND-191-I *Pike, S.*, *University of Warwick, Coventry, UK*
UNDERSTANDING MOLECULE TO MATERIAL TRANSFORMATIONS USING METAL-OXO CLUSTERS

ND-192-O *Errington, J.*, *Newcastle University, Newcastle upon Tyne, UK*
COMPLEXES OF $\{M_5O_{18}\}$ MOLECULAR OXIDE LIGANDS

ND-193-O *Pascual-Borràs, M.*, *Universitat de Barcelona, Barcelona, Spain*
RAPID MECHANOCHEMICAL $_{17}$O ENRICHMENT OF POLYOXOMETALATES

ND-194-O *Seisenbaeva, G.*, *Swedish University of Agricultural Sciences, Uppsala, Sweden*
COORDINATION CHEMISTRY OF CRITICAL METALS FOR MOLECULAR RECOGNITION TECHNOLOGY

ND-195-I *Falaise, C.*, *Université Paris-Saclay, Versailles, France*
SUPER-NERNSTIAN REDUCTION OF POLYOXOMETALATES: UNLOCKING THE CHEMICAL SPACE OF CATIONIC POLYOXOCLUSTERS

ND-196-K *Nyman, M.*, *Oregon State University, Corvallis, USA*
OXOCLUSTERS FOR ATOM EFFICIENT METAL SEPARATIONS

ND-197-O *White, M.*, *The University of Nottingham, Nottingham, United Kingdom*
POLYOXOTHIOMETALATES AS MOLECULAR MEDIATORS IN LITHIUM-SULFUR BATTERIES

ND-198-O *Iwano, T.*, *Delft University of Technology, Delft, The Netherlands*
STRUCTURAL DYNAMICS OF LACUNARY POLYOXOMETALATE $[\gamma\text{-}SiW_{10}O_{34}(H_2O)_2]^{4-}$ ACTIVATED WITH H_2O_2 ELUCIDATED BY *IN SITU* ATR-IR AND VIBRATIONAL CALCULATIONS

Symposium 0: Hall 2+4: O-O Bond Formation and Activation-1

Chairs: Kallol Ray

CB-201-I *Kodera, M.*, *Doshisha University, Kyoto, Japan*
CANCER-CELL-SELECTIVE CYTOTOXICITY OF DI- AND TETRA-COPPER COMPLEXES TARGETING MITOCHONDRIA

CB-202-O *Jin, K.*,
MODULATING ELECTROCATALYTIC WATER OXIDATION IN NICKEL-BASED MOLECULAR COMPLEXES

CB-203-O *Aparicio, E.*, *Universitat de Girona, Girona, Spain*
SYNTHESIS AND CHARACTERIZATION OF NEW Mn COMPLEXES AND THEIR APPLICATION IN THE ASYMMETRIC DIRECTED OXIDATION OF NON-ACTIVATED C-H BONDS

CB-204-I *Wu, G.*, *Jilin University, Changchun, China*
MOLECULAR INSIGHTS INTO THE ACTIVITY AND SELECTIVITY OF 3D METAL OXIDE WATER OXIDATION ELECTROCATALYSTS

CB-205-K *Kojima, T.*, *University of Tsukuba, Ibaraki, Japan*
IMPORTANCE OF SECOND COORDINATION SPHERES OF METAL COMPLEXES IN OXIDATION CATALYSIS

CB-206-O *Buss, J.*, *University of Michigan, Ann Arbor, USA*
O-O BOND FORMATION AND CLEAVAGE AT BIO-INSPIRED BIMETALLIC CORES

CB-207-O *Madabeni, A.*, *Czech Academy of Sciences, Prague, Czech Republic*
SPECTROSCOPIC AND THEORETICAL RESOLUTION OF THE CATALYTIC CYCLE OF TYROSINASE

CB-208-I *Roemelt, M.*, *Humboldt Universität zu Berlin, Berlin, Germany*
USING QUANTUM CHEMISTRY TO ELUCIDATE THE ELECTRONIC STRUCTURE OF HIGH VALENT METAL OXO COMPLEXES WITH REDOX-ACTIVE LIGANDS

Symposium 1: Hall 1: Photophysics and Photochemistry of Transition Metal Complexes-1

Chairs: Kenneth Wärnmark, Oliver Wenger

ES-211-I *Wenger, O.*, *University of Basel, Basel, Switzerland*
FIRST-ROW TRANSITION METAL COMPLEXES IN LUMINESCENCE, PHOTOCATALYSIS AND UPCONVERSION

ES-212-O *Wang, C.*, *University of Konstanz, Konstanz, Germany*
LUMINESCENT DINUCLEAR CHROMIUM(III) COMPLEX WITH STRONG VISIBLE ABSORPTION

ES-213-O *Murayama, Y.*, *Tokyo University of Science, Tokyo, Japan*
CONSTRUCTION AND EVALUATION OF PHOTORESPONSIVE COORDINATION ASSEMBLIES VIA MULTIPOINT HYDROGEN-BOND-DRIVEN SELF-ASSEMBLY

ES-214-I *Troian-Gautier, L.*, *Université Catholique de Louvain (UCL), Louvain-la-Neuve, Belgium*
BEYOND SHORT-LIVED EXCITED STATES: CHARGE AND SPIN MANAGEMENT IN IRON PHOTOSENSITIZERS

ES-215-K *Heinze, K.*, *Johannes Gutenberg-University Mainz, Mainz, Germany*
MANGANESE, CARBENES AND LIGHT – A SUCCESSFUL TRIPLE

ES-216-O *Steffen, A.*, *TU Dortmund University, Dortmund, Germany*
NIR-TRIPLET EMISSION IN D^{10} Cu(I) AND Pd(0) CARBENE COMPLEXES

ES-217-O *Koshevoy, I.*, *University of Eastern Finland, Joensuu, Finland*
LUMINESCENT PHOSPHINE-PHOSPHINITE/-PHOSPHINATE COINAGE METAL COMPLEXES

ES-218-I *Cadranel, A.*, *Friedrich-Alexander-University Erlangen-Nuremberg, Erlangen, Germany*
HIGH-ENERGY MLCT STATES FOR SOLAR-ENERGY CONVERSION

Symposium 2: K2: Sustainable CO_2 Valorization through Electrocatalysis and Photocatalysis

Chairs: Carole Duboc, Vincent Artero

CB-221-I *Casadevall, C.*, *Universitat Rovira i Virgili, Tarragona, Spain*
FROM MOLECULAR TO POLYMERSOME-BASED SYSTEMS FOR PHOTOCATALYTIC CO_2 REDUCTION

CB-222-O *Travis, B.*, *University of North Carolina at Chapel Hill, North Carolina, United States*
DEVELOPMENT OF A LIGHT-DRIVEN MULTI-CATALYST CASCADE FOR CARBON DIOXIDE CONVERSION TO METHANOL

CB-223-O *Suarez Antuna, I.*, *Université Grenoble Alpes, Grenoble, France*
HOST-GUEST CONFINEMENT OF THE $[Mn(bpy)(CO)_3(CH_3CN)]^+$ CATALYST IN A SILICON-BASED CAGE FOR SELECTIVE AQUEOUS CO_2 TO CO ELECTROREDUCTION

CB-224-I *Dutta, A.*, *Indian Institute of Technology Bombay, Mumbai, India*
ELECTROCATALYTIC CO_2-TO-METHANOL CONVERSION USING MOLECULARLY DEFINED CATALYSTS

CB-225-K *Marinescu, S.*, *University of Southern California, Los Angeles, USA*
BIOLOGICALLY INSPIRED PHOSPHINOTHIOLATE SYSTEMS FOR SMALL MOLECULE ACTIVATION

CB-226-O *Abudayyeh, A.M.*, *Applied Science University, Amman, Jordan*
ENHANCED CO_2 ELECTROREDUCTION BY A RHENIUM CATALYST

CB-227-O *Vettori, M.*, *The Barcelona Institute of Science and Technology, Spain*
HETEROGENIZATION OF A WATER-SOLUBLE MANGANESE MOLECULAR COMPLEX UNLOCKS HIGHLY EFFICIENT CO_2 ELECTROREDUCTION TO FORMATE

CB-228-I *Sarkar, B.*, *Freie Universität Berlin, Berlin, Germany*
DIIRON COMPLEXES OF FUSED BIPORPHYRINS AS ELECTROCATALYSTS FOR CO_2 REDCUTION

Symposium 3: K3: MIND Symposium-2

Chairs: Debbie Crans, Michael Hannon

BM-231-I *Collingwood, J.*, *University of Warwick, Coventry, UK*
IRON SPECIATION IN THE HUMAN BRAIN

BM-232-K *Caravan, P.*, *Harvard Medical School, Boston, USA*
DEVELOPMENT AND APPLICATION OF METAL-BASED MOLECULAR IMAGING PROBES FOR NONINVASIVE IMAGING OF NEURODEGENERATIVE DISEASES

BM-234-O *Kadanuru Rajashekar, G.K.*, *University of Mons, Mons, Belgium*
INVESTIGATION OF EQUILIBRIUM, KINETIC, RELAXATION PROPERTIES OF Mn(II) COMPLEXES FORMED WITH PC2A DERIVATIVE LIGANDS

BM-235-K *Meade, Th.*, *Northwestern University, Evanston, USA*
PROGRAMMING Gd(III) COORDINATION CHEMISTRY TO IMAGE THE MOLECULAR HALLMARKS OF AGING

BM-236-O *Holz, R.*, *Colorado School of Mines, Golden, USA*
SULFUR MOBILIZATION FOR IRON–SULFUR CLUSTER ASSEMBLY IN THE SUF PATHWAY OF *STAPHYLOCOCCUS AUREUS*

BM-237-K *Rouault, T.*, *National Institutes of Health, Bethesda, USA*
IRON REGULATORY PROTEIN 2 DEFICIENT ANIMALS OVEREXPRESS FERRITIN, WHICH LEADS TO FUNCTIONAL IRON DEFICIENCY, IMPAIRED MITOCHONDRIAL ATP PRODUCTION AND IMPAIRED NEURONAL FUNCTION

Symposium 4: K4: Main Group Catalysis and Materials Science-1
Chairs: Eunsung Lee, Zhenbo Mo

MG-241-I *Hwang, S.J.*, *Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*
LIGAND-DRIVEN MULTIELECTRON REDOX CHEMISTRY OF MAIN GROUP ELEMENTS FOR SMALL MOLECULE ACTIVATION

MG-242-O *Kalkuhl, T.L.*, *Technical University Munich, Garching, Germany*
SNAPSHOTS OF MULTI-METALLIC COOPERATIVITY IN MOLECULAR [Ga_nNi] SYSTEMS

MG-243-O *Slesarchuk, N.*, *University of Helsinki, Helsinki, Finland*
FLUORINATED *ansa*-AMINOBORONIC DERIVATIVES CATALYZE sp^2 C-H BORYLATION WITH PINACOLBORANE

MG-244-I *Greb, L.*, *Heidelberg University, Heidelberg, Germany*
TERMINAL OXO CHEMISTRY OF P-BLOCK ELEMENTS: TAMED BY STRUCTURAL CONSTRAINTS

MG-245-K *Khan, S.*, *Indian Institute of Science Education and Research Pune, Pune, India*
COINAGE METALS MEET LOW-VALENT GROUP 14 ELEMENTS

MG-246-O *Martin, C.*, *Baylor University, Waco, USA*
CARBORANE SUBSTITUTED BORON LEWIS SUPERACIDS

MG-247-O *Hicks, J.*, *Australian National University, Canberra, Australia*
REVERSIBLE HYDROGEN ACTIVATION BY TRAPPED SILICON ANIONS

MG-248-I *Cui, C.*, *Nankai University, Tianjin, China*
REACTVITY OF N-HETEROCYCLIC BORYL-SUBSTITUTED DISILYNE AND DILITHIODISILENE

Symposium 5: Room 200: Molecular Spin Qubits and Molecular Spintronics Based on Molecular Magnets-1
Chairs: Selvan Demir, Eva Rentschler

ND-251-I *Yamashita, M.*, *Tohoku University, Aoba-Ku, Japan*
MOLECULAR SPIN QUBITS BASED ON MOLECULAR MAGNETS WITH S = 1/2

ND-252-O *Aromí, G.*, *Universitat de Barcelona, Barcelona, Spain*
SELF-COOLING MOLECULAR SPIN QUDITS

ND-253-O *Janetzki, J.*, *University of Florence, Sesto Fiorentino, Italy*
CANTILEVER TORQUE MAGNETOMETRY OF Ni(II) COMPLEXES: A PLATFORM FOR CHARACTERIZING MOLECULAR QUBITS

ND-254-I *Jiang, S.-D.*, *South China University of Technology, Guangzhou, China*
OPTICALLY DETECTED MAGNETIC RESOANCE OF MAGNETIC MOLECULES

ND-255-K *Ruben, M.*, *Karlsruhe Institute of Technology, Karlsruhe, Germany*
ISOTOPOLOGUE COORDINATION CHEMISTRY: NUCLEAR-SPIN ENGINEERING IN ^{A}Eu(III) COMPLEXES FOR OPTICALLY-DETECTED NMR (OD-NMR)

ND-256-O *Strandfelt, A.*, *University of Copenhagen, Copenhagen, Denmark*
CHEMICAL-ENVIRONMENT INDUCED DECOHERENCE IN MOLECULAR 4f QUBITS

ND-257-O *Shushkov, P.*, *Indiana University Bloomington, Indiana, USA*
SPIN RELAXATION IN MOLECULAR QUBITS

ND-258-I *Demir, S.*, *Michigan State University, East Lansing, USA*
FLUOFLAVINE AND TETRAAZANAPHTHALENE RADICAL-BRIDGED LANTHANIDE SINGLE-MOLECULE MAGNETS

Symposium 6: Room 207: Inorganic and Hybrid Materials for Chemical Sensing Applications

Chairs: Jonas Sundberg, Nusik Gedikoglu

ES-261-I *Boullart, L.*, *Katholieke Universitei Leuven, Leuven, Belgium*
TOWARDS AN E-NOSE: KINETIC SELECTIVITY SENSING WITH MODIFIED METAL-ORGANIC FRAMEWORK ELEMENTS

ES-262-O *Clutterbuck, K.*, *The University of Sydney, Darlington, Australia*
CHIROPTICAL MODULATION WITHIN SUPRAMOLECULAR LANTHANOID ASSEMBLIES

ES-263-O *Amali, S.J.*, *Universitat de Barcelona, Barcelona, Spain*
MICROWAVE ASSISTED SYNTHESIS OF LANTHANOID 2D METAL-ORGANIC FRAMEWORKS

ES-264-I *Sørensen, T.J.*, *University of Copenhagen, Copenhagen, Denmark*
NANOCOMPOSITE CHEMOSENSORS USING Eu(III) LUMINSCENCE

ES-265-K *Yam, V.W.-W.*, *The University of Hong Kong, Hong Kong, P.R. China*
CONTROL OF EXCITED STATES, NANOSTRUCTURES AND FUNCTIONS THROUGH MOLECULAR DESIGN AND SUPRAMOLECULAR ASSEMBLY

ES-266-O *R. Gamarra, S.*, *Universidad de Valencia, Valencia, Spain*
IN-PLANE POROUS 2D MOF FOR COLORIMETRIC VOC DETECTION

ES-267-O *Kühne, I.*, *Czech Academy of Sciences, Prague, Czech Republic*
FOLLOWING THE THIN FILM GROWTH OF SQUARE-PLANAR Ni(II) COMPLEXES

ES-268-I *Wettstein, L.*, *ETH Zürich, Zürich, Switzerland*
RED LIGHT-GATED CHARGE TRANSFER ENABLES ON-DEMAND CHEMICAL RESPONSE IN CARBON NANOTUBE-TITANIA HYBRIDS

Symposium 7: Room 107: Innovations in Reticular Synthesis and Framework Assembly

Chairs: Kasper Pedersen, Lars Öhrström

SM-271-I *Jenkins, D.*, *University of Tennessee, Knoxville, USA*
MULTI-VARIATE METAL ORGANIC NANOTUBES

SM-272-O *Booth, S.*, *University of New South Wales, Sydney, Australia*
FLEXIBILITY IN PILLARED TRIAZOLATE 3D-LINKER MOFs

SM-273-O *Endo, K.*, *University of Stuttgart, Stuttgart, Germany*
INTERPLAY BETWEEN COORDINATION AND ORGANIC POLYMERIZATIONS TO BUILD MOF–COF HYBRID STRUCTURES WITH ENHANCED CHEMICAL STABILITY AND CRYSTALLINITY

SM-274-I *Matsinha, L.*, *Promethean Particles Ltd, United Kingdom*
ADVANCING GAS STORAGE THROUGH SCALABLE MOF MANUFACTURE

SM-275-K *Mínguez Espallargas, G.*, *Universidad de Valencia, Valencia, Spain*
MOLTEN MOLECULAR SYNTHESIS: AN ALTERNATIVE ROUTE TO UNCONVENTIONAL MOFs

SM-276-O *Röß-Ohlenroth, R.*, *University of Augsburg, Augsburg, Germany*
FUNCTIONALITY FINE-TUNING IN 1,2,3-TRIAZOLATE-BASED COORDINATION FRAMEWORKS

SM-277-O *Akine, S.*, *Kanazawa University, Kanazawa, Japan*
CLOSED TRIS(SALEN) METALLO-CAGES FOR GUEST UPTAKE/RELEASE CONTROL AND CHIRALITY CONTROL

SM-278-I *Macreadie, L.*, *University of New South Wales, Sydney, Australia*
EXPANDING MOF FLEXIBILITY THROUGH THREE-DIMENSIONAL LINKER DESIGN

Symposium 8: Room 105+106: Advanced EPR for Coordination Chemistry-1

Chairs: Alexander Schnegg, Emma Richards

MM-281-I *Leskes, M.*, *Weizmann Institute of Science, Rehovot, Israel*
POLARIZATION TRANSFER FROM PARAMAGNETIC METAL IONS: A NEW STRUCTURAL TOOL FOR COMPLEX INTERFACES

MM-282-O *Rønne-Nielsen, T.K.*, *Technical University of Denmark, Lyngby, Denmark*
MONITORING COPPER SPECIATION AND DYNAMICS DURING NH_3-SCR REACTION USING IN-SITU EPR

MM-283-O *Carter, K.*, *University of Iowa, Iowa City, USA*
CRYSTAL FIELD ENGINEERING IN f-ELEMENT POLYOXOMETALATE COMPLEXES

MM-284-I *Richards, E.*, *Cardiff University, Cardiff, United Kingdom*
SOLVENT DEPENDENT CARBON-TO-METAL HYDROGEN ATOM TRANSFER REACTIVITY OF A SQUARE PLANAR RHODIUM(II) ALKYNYL COMPLEX

MM-285-K *Jeschke, G.*, *ETH Zurich, Zurich, Switzerland*
SPECIES-SELECTIVE OBSERVATION OF CATALYTIC PROCESSES BY ELECTRON PARAMAGNETIC RESONANCE SPECTROSCOPY

MM-286-O *Ye, S.*, *Sun Yat-sen University, Guangzhou, China*
EPR CHARACTERIZATONS OF SYSTEMS FEATURING ORBITALLY NEARLY DEGENERATE GROUND STATES

MM-287-O *Abdiaziz, K.*, *Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*
SPECTROELECTROCHEMICAL EPR AND MÖSSBAUER METHODS FOR IDENTIFYING REVERSIBLE REDOX ACTIVE IRON OXIDE STRUCTURES IN FENC CATALYSTS

MM-288-I *Bruzzese, P.*, *University of Turin, Turin, Italy*
MAGNETO-STRUCTURAL CORRELATIONS OF ATYPICAL COPPER HYPERFINE SIGN IN TETRAGONAL COPPER COMPLEXES THROUGH ADVANCED HYPERFINE SPECTROSCOPY

Symposium 9: Room B+C+D: Spin States and Electronic Structure at the Extremes

Chairs: Wesley Browne, Marcel Swart

MM-291-I *Weinberger, P.*, *TU Wien, Vienna, Austria*
FLUORESCENT IRON(II) SPIN-CROSSOVER COMPLEXES BASED ON N1-SUBSTITUTED TETRAZOLES

MM-292-O *Salmon, L.*, *University of Toulouse, Toulouse, France*
OPTIMIZED SPIN CROSSOVER COMPLEX-BASED COMPOSITE MATERIALS FOR MOTION/ACTUATION

MM-293-O *Rezavand, A.*, *University of Queensland, Brisbane, Australia*
EFFICIENT ATOMISTIC MODELING OF SPIN CROSSOVER MATERIALS

MM-294-I *Berry, J.*, *University of Wisconsin-Madison, Madison, United States*
METAL-METAL BONDED ELECTROCATALYSTS FOR AMMONIA OXIDATION

MM-295-K *Meyer, K.*, *Friedrich-Alexander-Universität Erlangen-Nürnberg, Erlangen, Germany*
ACCESSING SUPER-OXIDIZED IRON: ELECTRONIC STRUCTURE CONTROL ACROSS NITRIDO AND OXIDO COMPLEXES WITH TUNABLE N-HETEROCYCLIC CARBENE LIGANDS

MM-296-O *Robb, M.*, *Stockholm University, Stockholm, Sweden*
EXPLORING THE BAROCALORIC CAPABILITY OF NITROPRUSSIDE-BASED SPIN CROSSOVER FRAMEWORKS

MM-297-O *Ishii, T.*, *Kagawa University, Takamatsu, Japan*
SYMMETRY-PRESERVED SUPERATOMIC ORBITALS IN I_h ALUMINUM CLUSTERS: SEPARATING ELECTRON COUNT AND NUCLEAR GEOMETRY VIA THE SHELL POTENTIAL

MM-298-I *Schneider, S.*, *Georg-August-University Göttingen, Göttingen, Germany*
FROM METAL OXOS TO METALLONITRENES AND -CARBENES

Symposium 0: Hall 2+4: O-O Bond Formation and Activation-2
Chairs: Wonwoo Nam

CB-301-I *Cho, J.*, *Ulsan National Institute of Science & Technology, Ulsan Republic of Korea*
O_2-DERIVED MANGANESE(III)-HYROXO COMPLEXES: PROTONATION-TUNED REDOX POTENTIALS AND OXIDATION REACTIVITY

CB-302-O *Cao, N.*, *University of Oslo, Oslo, Norway*
MECHANISTIC INSIGHTS INTO PEROXIDE-ACTIVATED Cu(I) COMPLEXES FOR C–H BOND OXIDATION REACTIONS

CB-303-O *Al Riyami, B.*, *Trinity College Dublin, Dublin, Ireland*
Ru(II) AND Ir(III) NILE RED COMPLEXES: PROMISING PHOTOSENSITIZERS FOR PDT

CB-304-O *Haviv, E.*, *Weizmann Institute of Science, Rehovot, Israel*
GUEST TRANSITION METAL IN HOST KEPLERATE NANOCAPSULES AS SUPRAMOLECULAR INORGANIC FUNCTIONAL MIMICS OF MONOOXYGENASE ENZYMES

CB-305-I *Liao, R.-Z.*, *Huazhong University of Science and Technology, Wuhan, China*
COMPUTATIONAL MODELING OF THE OXYGEN CYCLE CATALYZED BY TRANSITION METAL COMPLEXES

CB-306-K *Fout, A.*, *Texas A&M University, College Station, USA*
COBALT-MEDIATED DIOXYGEN ACTIVATION AND RADICAL REBOUND

CB-307-O *Meyerstein, D.*, *Ariel University, Ariel, Israel*
$Mg(H_2O)_6^{2+}$ A CATALYST OF OXIDATIONS BY PEROXIDES

CB-308-O *Zhang, H.*, *University of Göttingen, Göttingen, Germany*
NOVEL μ-1,2-PEROXO DICOPPER COMPLEXES FEATURING SQUARE PLANAR Cu(II) SITES: SYNTHESIS, STRUCTURE, AND REACTIVITY

Symposium 1: Hall 1: Photophysics and Photochemistry of Transition Metal Complexes-2
Chairs: Ludovic Troian-Gautier, Elena Jakubikova

ES-311-I *Jakubikova, E.*, *North Carolina State University, Raleigh, USA*
REVISITING METAL-LIGAND INTERACTIONS IN TRANSITION METAL POLYPYRIDINES

ES-312-O *Yoshida, M.*, *The University of Osaka, Toyonaka, Japan*
SECONDARY COORDINATION SPHERE MODIFICATION STRATEGY FOR THERMOCHROMIC AND HIGHLY LUMINESCENT MANGANESE(II) COMPLEXES

ES-313-O *Aravena, D.*,
RADIATIVE AND NON-RADIATIVE DEACTIVATION IN COPPER(I) TADF EMITTERS

ES-314-O *Boidachenko, K.*, *Jagiellonian University, Kraków, Poland*
BIPHENYL-2,2'-DIYL-DICYANIDOPLATINATE(II)-BASED HYBRIDS AS CHIRAL SHG-ACTIVE LUMINESCENT FERROELECTRICS

ES-315-I *Vlček, A.*, *J. Heyrovský Institute of Physical Chemistry, Prague, Czech Republic*
FEMTOSECOND STIMULATED RAMAN SPECTROSCOPY IN TRANSITION-METAL PHOTOPHYSICS: THE CASE OF Re(I), Ru(II), and Fe(II) – BIPYRIDYL PHOTOSENSITIZERS

ES-316-K *McCusker, J.*, *Michigan State University, Michigan, United States*
VIBRONIC COHERENCE AS A MECHANISTIC PROBE OF ULTRAFAST EXCITED-STATE EVOLUTION

ES-317-O *Chiba, Y.*, *Tohoku University, Sendai, Japan*
VISIBLE-LIGHT-SENSITIVE AZOBENZENE PHOTOSWITCHES ENHANCED BY DIPYRRIN-BASED MOLECULAR ANTENNAE

ES-318-O *Hanan, G.*, *Université de Montréal, Montreal, Canada*
DEVELOPING NEW PHOTOSENSITIZERS BASED ON TRANSITION METAL IONS FOR GREEN ENERGY APPLICATIONS

Symposium 2: K2: Nordic Organometallics Meeting 2026-1
Chairs: Craig Day, Martin Nielsen

CB-321-I *Nova, A.*, *University of Oslo, Oslo, Norway*
CATALYST AND AMINE DESIGN IN THE CO_2 TO METHANOL REACTION

CB-322-O *Portiolli Franco, M.*, *University of Oslo, Oslo, Norway*
COMPUTATIONAL INSIGHTS INTO CO_2 TO ACETATE VIA MANGANESE-CORROLE ELECTROCATALYSIS

CB-323-O *Volkova, I.*, *University of Iceland, Reykjavik, Iceland*
CATALYSIS BY $[N_2S_2]$-COORDINATED COMPLEXES OF RING-OPENING COPOLYMERISATION OF EPOXIDE/ANHYDRIDE

CB-325-I *Suman, S.*, *University of Iceland, Reykjavik, Iceland*
COBALT CATALYZED COPOLYMERIZATION OF EPOXIDE AND CO_2/ANHYDRIDE

CB-326-K *Hevia , E.*, *University of Bern, Bern, Switzerland*
EXPLOITING SYNERGIC REACTIVITIES OF S-BLOCK METAL NICKELATES FOR BIMETALLIC CATALYSIS

CB-327-O *Dahl, J.*, *Technical University of Denmark, Lyngby, Denmark*
DESIGNING BISPHOSPHINE LIGANDS FOR CuH CATALYSIS WITH ACTIVE LEARNING

CB-328-O *Roodt, A.*, *University of the Free State, Bloemfontein, South Africa*
BRIDGING TIME RESOLVED KINETICS WITH *IN VIVO* DRUG DELIVERY: PROOF-OF-CONCEPT FROM Pt DIOLEFIN COMPLEXES?

CB-329-I *Deeth, R.*, *University of Warwick, Coventry, UK*
METAL-LIGAND COVALENCY IN d-BLOCK COMPOUNDS AND HOW BEST TO MODEL IT

CB-32A-I *Hashmi, A.St.K.*, *Heidelberg University, Heidelberg, Germany*
CYANOCARBENE INTERMEDIATES IN GOLD CATALYSIS

Symposium 3: K3: MIND Symposium-3
Chairs: Peter Caravan, Liliana Quintanar

BM-330-K *Faller, P.*, *University of Strasbourg, Strasbourg, France*
DETECTION OF EXCHANGEABLE Cu(II)-POOLS RELATED TO NEURODEGENERATION BY Ln(III)-LUMINESCENCE, MRI CONTRAST AGENT AND F-NMR

BM-331-I *Hureau, C.*, *Université de Toulouse, Toulouse, France*
THE ETIOLOGICAL AND THERAPEUTIC SIGNIFICANCE OF ATCUN PEPTIDES IN ALZHEIMER'S DISEASE

BM-332-O *Pražáková, M.*, *Palacký University, Olomouc, Czech Republic*
MANGANESE(II) MACROCYCLIC COMPLEXES UNDER THE SPOTLIGHT: SYNTHESIS AND IN-DEPTH EVALUATION AS MRI CONTRAST AGENTS

BM-333-O *Bates, A.*, *Colorado State University, Fort Collins, USA*
ADAMANTYL-SUBSTITUTED VANADIUM(V) SCHIFF BASE–CATECHOLATE COMPLEXES WITH ANTIPROLIFERATIVE ACTIVITY AGAINST GLIOBLASTOMA

BM-334-O *Da Costa Ferreira, A.M.*, *University of São Paulo, São Paulo, Brazil*
INHIBITORY ACTIVITY OF SOME IMINE- AND HYDRAZONE-DERIVATIVES TOWARD AMYLOID-β PEPTIDES AGGREGATION

BM-335-I *Long, N.*, *Imperial College London, London, UK*
IMAGING ACROSS THE BLOOD-BRAIN-BARRIER USING MICROBUBBLES AND FOCUSSED ULTRASOUND

BM-336-K *Zecca, L.*, *National Research Council of Italy, Segrate, Italy*
NEUROMELANIN, IRON AND COPPER IN BRAIN AGING, NEURODEGENERATION AND ITS MAGNETIC RESONANCE IMAGING AS BIOMARKER FOR NEURODEGENERATIVE DISEASES

BM-337-O *Mohr, F.*, *University of Wuppertal, Wuppertal, Germany*
MANEB: STRUCTURE AND TOXICITY OF A METAL-BASED PESTICIDE

BM-338-O *Pavlova, E.*, *Sofia University "St. Kliment Ohridski", Sofia, Bulgaria*
STRUCTURE, ECOTOXICITY, REDOX AND BACTERICIDAL ACTIVITY OF Cu-CONTAINING NANOCRYSTALLINE FERRITES

BM-339-I *Crans, D.*, *Colorado State University, Fort Collins, USA*
POTENTIAL NEW MECHANISM UNDERLYING COCAINE SUBSTANCE USE DISORDER INVOLVING DUSP5-ASSOCIATED SIGNALING PATHWAYS

BM-33A-K *Double, K.*, *The University of Sydney, Sydney, Australia*
WHEN A GOOD PROTEIN GOES BAD: SUPEROXIDE DISMUTASE 1 IN PARKINSON DISEASE

Symposium 4: K4: Main Group Catalysis and Materials Science-2
Chairs: Hye Won Moon, Oriol Planas

MG-341-I *Lee, E.*, *Seoul National University, Seoul, South Korea*
CARBENE-DERIVED STABLE AND MULTI-REDOX ORGANIC RADICALS: 1,2-DICARBONYL AND AMINYL PLATFORMS FOR ADVANCED FUNCTIONAL APPLICATIONS

MG-342-O *Kim, Y.*, *Pusan National University, Busan, South Korea*
AIR- AND WATER-STABLE SULFIDE RADICAL CATIONS

MG-343-O *Romain, C.*, *Imperial College London, London, UK*
EXPLOITING NON-INNOCENT ALUMINIUM(III) CATALYSTS IN POLYMERISATION

MG-344-O *Kim, S.*, *Seoul National University, Seoul, South Korea*
PROXIMITY-ENFORCED ORBITAL SPLITTING ENABLES PREPARATION OF REDOX-ACTIVE MAIN-GROUP COMPOUNDS

MG-345-I *Planas, O.*, *Imperial College London, London, UK*
ZWITTERIONIC HEAVY MAIN GROUP METAL SPECIES: FUNDAMENTAL ORGANOMETALLICS AND REDOX CATALYSIS

MG-346-K *Goicoechea, J.*, *Indiana University Bloomington, Indiana, USA*
THE CYAPHIDE ION: A BUILDING BLOCK TO NOVEL MOLECULES AND MATERIALS

MG-347-O *Riesinger, Ch.*, *Imperial College London, London, UK*
CATALYTIC C–F BOND GALLYLATION AT A Ga_2Ni TRIMETLALIC COMPLEX

MG-348-O *Stasch, A.*, *University of St. Andrews, St. Andrews, UK*
FACILE AND REVERSIBLE BOND ACTIVATION WITH LOW-COORDINATE MAGNESIUM OXIDE COMPLEXES

Symposium 5: Room 200: Molecular Spin Qubits and Molecular Spintronics Based on Molecular Magnets-2
Chairs: Shang-Da Jiang, Masahiro Yamashita

ND-351-I *Rentschler, E.*, *University Mainz, Mainz, Germany*
CHIRAL SMMs FOR MOLECULAR SPINTRONICS

ND-352-O *Liao, P.-Y.*, *Sun Yat-sen University, Guangzhou, China*
REVERSIBLE THERMALLY DRIVEN PHASE TRANSITIONS FOR MAGNETIC-OPTICAL MODULATION IN LANTHANIDE COMPLEXES

ND-353-O *Pedersen, K.*, *Technical University of Denmark, Lyngby, Denmark*
PERSISTENT COMPENSATED FERRIMAGNETISM IN THE MOLECULAR FRAMEWORK $Cr(pyrazine)_3$

ND-354-O *Sañudo, E.C.*, *Universitat de Barcelona, Barcelona, Spain*
2D GADOLINIUM NANOSHEETS AS ORDERED ARRAYS OF QUBITS

ND-355-I *Barrios Moreno, L.A.*, *Universitat de Barcelona, Barcelona, Spain*
MULTIFUNCTIONAL GUEST-HOSTING TRIPLE-STRANDED HELICATES: FROM ANION RECOGNITION TO QUANTUM INFORMATION APPLICATIONS

ND-356-K *Coronado, E.*, *University of Valencia, Valencia, Spain*
MOLECULAR MAGNETISM IN QUANTUM TECHNOLOGIES: FROM MAGNETIC MOLECULAR COMPLEXES TO QUANTUM DEVICES

ND-357-O *Clemente-León, M.*, *Universitat de València, Paterna, Spain*
MULTIFUNCTIONAL HETEROLEPTIC SPIN-CROSSOVER COMPLEXES AND POLYOXOMETALATE-BASED COORDINATION POLYMERS

ND-358-O *Mironova, O.*, *University of Modena and Reggio Emilia (UniMORE), Modena, Italy*
THIOCARBOXYLATE HETEROBIMETALLIC PADDLEWHEELS AS VERSATILE QUBITS

Symposium 6: Room 207: Radiopharmaceuticals in Nuclear Medicine
Chairs: Ellis Smith; Michelle Ma

BM-361-I *Reid, G.*, *University of Southampton, Southampton, UK*
EXPLORING METAL-MACROCYCLIC SCAFFOLDS FOR BINDING FLUORINE-18

BM-362-O *Costa-DeDios, M.*, *Universidade da Coruña, Coruña, Spain*
NEW H_2MACROPA DERIVATIVES FOR SELECTIVE COMPLEXATION AND RADIOPHARMACEUTICAL APPLICATIONS

BM-363-O *Kimchi, L.*, *University of Southern Denmark, Odense M, Denmark*
TOWARDS IMPLEMENTATION OF A THERANOSTIC PAIR OF ANTIMONY RADIOISOTOPES FOR CANCER TREATMENT AND IMAGING

BM-364-O *Kenrick, R.*, *King's College London, UK*
MULTIMERIC RADIOTRACERS INCORPORATING MULTIPLE COPIES OF A PSMA-TARGETING PEPTIDE

BM-365-I *Imberti, C.*, *King's College London, London, UK*
METAL-CENTERED RADIOLABELING REVEALS THE IN VIVO FATE OF A PHOTOACTIVATABLE Pt(IV) AGENT

BM-366-K *Platas-Iglesias, C.*, *Universidade da Coruña, Coruña, Spain*
CRITICAL EVALUATION OF THE POTENTIAL OF MANGANESE COMPLEXES AS ALTERNATIVES TO GADOLINIUM MRI CONTRAST AGENTS

BM-367-O *Sommariva-Ucha, N.*, *Universidade da Coruña, Coruña, Spain*
TAILORING CHELATOR SOFTNESS TO ENHANCE COMPLEXATION OF NOVEL RADIOISOTOPES FOR NUCLEAR MEDICINE

BM-368-O *Kuncová, L.*, *Charles University of Prague, Prague, Czech Republic*
TRIPYRIDINOPHANES: COORDINATION CHEMISTRY AND ISOMERISM OF LANTHANIDE(III) COMPLEXES

Symposium 7: Room 107: MOFs for Sustainable Energy, Environment, and Resource Applications
Chairs: Sascha Ott, James McPherson

SM-371-I *Ghosh, S.K.*, *Indian Institute of Science Education and Research Pune, Pune, India*
Critical Minerals Extraction by MOFs+ for a Sustainable Future

SM-372-O *Devic, Th.*, *Nantes Université, Nantes, France*
COMBINING HIGH-OXIDATION STATE CATIONS AND THIOLATE NON INNOCENT LIGANDS TO BUILD REDOX-ACTIVE MOFs

SM-373-O *Tsutsumi, S.*, *Kindai University, Osaka, Japan*
GATE-OPENING CO_2 ADSORPTION AND VAPOCHROMIC BEHAVIOR IN A FLEXIBLE SILVER(I)–DIAZAFLUORENE METAL–ORGANIC FRAMEWORK

SM-374-O *Sasitharan, K.*, *Newcastle University, Newcastle upon Tyne, UK*
WHEN FRAMEWORKS BREATHE: SOFT MOFs FOR LIGHT-DRIVEN, SELF-COOLING ENERGY STORAGE

SM-375-I *Kaskel, S.*, *Dresden University of Technology, Dresden, Germany*
IN SITU TECHNIQUES FOR MONITORING STRUCTURAL DYNAMICS IN METAL-ORGANIC FRAMEWORKS

SM-376-K *Zheng, L.*, *Nanjing University, Nanjing, China*
LANTHANIDE-ANTHRACENE COMPLEXES: REGULATING MAGNETIC AND OPTICAL PROPERTIES VIA REVERSIBLE PHOTOCYCLOADDITION

SM-377-O *Rodríguez-Camargo, A.*, *University of Stuttgart, Stuttgart, Germany*
FROM SOLAR ENERGY TO CANCER THERAPY: EXPANDING COVALENT ORGANIC FRAMEWORKS CATALYSIS INTO THE NEAR-INFRARED

SM-378-O *Fateeva, A.*, *Université Claude Bernard Lyon 1, Villeurbanne, France*
ENGINEERING MOFs WITH POLYPHENOLIC PORPHYRINS: FROM STRUCTURAL VERSATILITY TO REDOX AND PHOTOCATATALYTIC PROPERTIES

Symposium 8: Room 105+106: Advanced EPR for Coordination Chemistry-2

Chairs: Alexander Schnegg, Emma Richards

MM-381-I *Cox, N.*, *Australian National University, Canberra, Australia*
MEASURING NANOMETER DISTANCES IN PROTEINS AND RIGID RULERS BETWEEN ^{19}F AND Gd^{3+} USING ^{19}F-ENDOR

MM-382-O *Santana, V.T.*, *Brno University of Technology, Brno, Czech Republic*
WHAT LOW-FREQUENCY POWDER EPR MISSES: FREQUENCY-DEPENDENT SPIN DYNAMICS IN WEAKLY COUPLED S = ½ ARRAYS

MM-383-O *Novikov, V.*, *University of Barcelona, Barcelona, Spain*
SPIN-IN-A-BOTTLE: ENCAPSULATION STRATEGIES FOR CONTROLLING DECOHERENCE IN CHROMIUM COMPLEXES

MM-384-O *Teutloff, Ch.*, *Freie Universität Berlin, Berlin, Germany*
CHALLENGES WITH METAL ION COMPLEXES: ELUCIDATING THE ELECTRONIC STATE BY MULTIFREQUENCY EPR

MM-385-I *Grimm, B.*, *National High Magnetic Field Laboratory, Tallahassee, USA*
HIGH FIELD EPR AND FIRMS CHARACTERIZATION OF SCHIFF-BASE Mn(III) METALORGANIC SPIN-CROSSOVER COMPLEXES

MM-386-K *Sessoli, R.*, *University of Florence, Sesto Fiorentino, Italy*
ELECTRIC FIELD CONTROL OF MOLECULAR SPINS FOR QUANTUM INFORMATION

MM-387-O *Al Said, T.*, *Helmholtz-Zentrum Berlin, Berlin, Germany*
DIRECT DETERMINATION OF LARGE MAGNETIC ANIOSOTROPIES IN TRIPLET METALLO VINYLIDENES AND ARSINIDENES BY THz-EPR SPECTROSCOPY

MM-388-O *Kern, M.*, *University of Stuttgart, Stuttgart, Germany*
EPR-ON-A-CHIP FOR *OPERANDO* MONITORING OF PARAMAGNETIC SPECIES IN SOLUTION

Symposium 9: Room B+C+D: Metal Oxo Clusters and Oligonuclear Oxo Complexes - from Building Blocks to Function-3

Chairs: Carles Bo, Nadiia Gumerova

ND-391-I *López, X.*, *Universitat Rovira i Virgili, Tarragona, Spain*
POLYOXOTHIOMETALATES IN SILICO: ELECTRONIC AND DYNAMIC PROPERTIES OF $[XW_{12}O_{28}S_{12}]^{n-}$ SYSTEMS WITH X = P, Si, AND Al

ND-392-O *Knope, K.E.*, *Georgetown University, Washington, USA*
METAL-OXO CLUSTER CHEMISTRY AS A PLATFORM FOR RARE EARTH SEPARATIONS

ND-393-O *Wilson, H.*, *University of Basel, Basel, Switzerland*
NONAQUEOUS FORMATION MECHANISM OF ZIRCONIUM AND HAFNIUM OXO CLUSTERS

ND-394-O *Blanchard, S.*, *Sorbonne Université, Paris, France*
CHARGE PHOTOACCUMULATION ON HYBRID DAWSON POLYOXOMETALATES AND CATALYTIC APPLICATIONS

ND-395-I *Matson, E.*, *University of Rochester, Rochester, USA*
PROTON COUPLED ELECTRON TRANSFER IN POLYOXOMETALATES

ND-396-K *Parac-Vogt, T.*, *Katholieke Universitei Leuven, Leuven, Belgium*
POLYOXOMETALATES IN SUPRAMOLECULAR CHEMISTRY: FROM CONTROLLED ASSEMBLY TO FUNCTIONAL MATERIALS

ND-397-O *Haraguchi, N.*, *The University of Tokyo, Tokyo, Japan*
GROWTH PROCESS OF SILVER SPECIES IN CRYSTALLINE SOLIDS BASED ON POLYOXOMETALATES

ND-398-O *Gumerova, N.*, *University of Vienna, Vienna, Austria*
SUPERCHAOTROPIC POLYOXOMETALATE CARRIERS FOR INTRACELLULAR DELIVERY OF MEMBRANE-IMPERMEABLE CARGO

Symposium 0: Hall 2+4: O-O Bond Formation and Activation-3
Chairs: Kyoungsuk Jin, Young Hyun Hong

CB-401-I *Aukauloo, A.*, *Université Paris-Saclay, Orsay, France*
ADVANCES IN METALLOPORPHYRIN DESIGN FOR SMALL MOLECULES ACTIVATION

CB-402-O *Hong, Y.H.*, *Sogang University, Seoul, Republic of Korea*
BIOINSPIRED ARTIFICIAL PHOTOSYNTHESIS FOR THE CATALYTIC CONVERSION OF ABUNDANT SMALL MOLECULES INTO VALUE-ADDED CHEMICALS

CB-403-O *Chen, S.-H.*, *Kaohsiung Medical University, Kaohsiung City, Taiwan*
IDENTIFYING A TERMINAL NICKEL-OXYGEN COMPLEX BEARING AN UNSYMMETRICAL β-DIKETIMINATE LIGAND

CB-404-I *Fujii, H.*, *Nara Women's University, Nara, Japan*
AIR-STABLE HEME ALKYL THIOLATE COMPLEX WITH HYDROPHOBIC DISTAL CAVITY AS A MODEL OF CYTOCHROME P450

CB-405-K *Sun, L.*, *Westlake University, Hangzhou, China*
WATER SPLITTING CATALYSIS AND MECHANISMS OF O-O BOND FORMATION: FROM NATURAL TO ARTIFICIAL PHOTOSYNTHESIS

CB-406-O *Møller, M.*, *University of Southern Denmark, Odense, Denmark*
SOLID-PHASE AND ANION-DEPENDENT KINETICS OF REVERSIBLE O_2 CHEMISORPTION BY TETRACOBALT COMPLEXES

CB-407-O *Cho, K.-B.*, *Jeonbuk National University, Jeonbuk, Republic of Korea*
DENSITY FUNCTIONAL THEORY CALCULATIONS INTO WATER OXIDATION REACTION USING A PUTATIVE Fe(V)O SPECIES

CB-408-I *Itoh, S.*, *The University of Osaka, Osaka, Japan*
GENERATION AND REACTIVITY OF NICKEL(III)-OXYL SPECIES

Symposium 1: Hall 1: Photophysics and Photochemistry of Transition Metal Complexes-3
Chairs: Antonin Vlcek, Petter Persson

ES-411-I *Persson, P.*, *Lund University, Lund, Sweden*
ULTRAFAST PHOTOFUNCTIONALITY OF EARTH-ABUNDANT TRANSITION METAL COMPLEXES

ES-412-O *Lazarevski, B.*, *University of Basel, Basel, Switzerland*
ENABLING HIGHER EXCITED STATE REACTIVITY IN NICKEL(II) COMPLEXES

ES-413-O *Karnahl, M.*, *Technical University of Braunschweig, Braunschweig, Germany*
A LINKER-FREE Cu(I)-BODIPY BICHROMOPHORE FOR SUNLIGHT-DRIVEN PHOTOCATALYSIS

ES-414-I *Wolf, M.*, *University of British Columbia, Vancouver, Canada*
NEW TUNABLE EMITTERS: RHENIUM AND PLATINUM COMPLEXES WITH SULFUR-BRIDGED DIPYRIDYL LIGANDS

ES-415-K *Borbas, E.*, *Uppsala University, Uppsala, Sweden*
LANTHANIDE PHOTOCATALYZED REDUCTION REACTIONS

ES-416-O *Karadaş, F.*, *Bilkent University, Ankara, Turkey*
COMBINING CHARGE TRANSFER PROCESSES IN Co-Fe PRUSSIAN BLUE ANALOGUES: A SPECTROSCOPIC AND PHOTOCATALYTIC STUDY

ES-417-O *Schatzschneider, U.*, *Julius-Maximilians-Universität, Würzburg, Germany*
IRIDIUM(III)-CATALYZED SIX-ELECTRON PHOTOOXIDATION OF NITROGEN, SULFUR, AND SELENIUM COMPOUNDS

ES-418-I *Yersin, H.*, *University of Regensburg, Regensburg, Germany*
PHOTO-LUMINESCENCE OF SILVER(I) COMPLEXES: FROM EXTREMELY LONG-LIVED PHOSPHORESCENCE TO ULTRA-SHORT TADF

Symposium 2: K2: Nordic Organometallics Meeting 2026-2

Chairs: Craig Day, Martin Nielsen

CB-421-I *Dielmann, F.*, *University of Innsbruck, Innsbruck, Austria*
LINEAR CARBON AMBIPHILES

CB-422-O *Kramer, S.*, *Technical University of Denmark, Lyngby, Denmark*
PHOTOINDUCED ENANTIOSELECTIVE FUNCTIONALIZATION OF C(sp3)-H BONDS

CB-423-O *Cizerl, A.*, *University of Helsinki, Helsinki, Finland*
SOFT LEWIS BASE CATALYZED RECYCLING OF GOLD FROM WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT

CB-424-I *Skrydstrup, T.*, *Aarhus University, Aarhus, Denmark*
CHEMICAL TECHNOLOGIES FOR POLYMER RECYCLING APPLYING CATALYSIS

CB-425-K *Bertrand, G.*, *University of California, San Diego, USA*
COULD CARBENES REPLACE TRANSITION METALS

CB-426-O *Aufricht, P.*, *Lund University, Lund, Sweden*
REVERSE WATER-GAS-SHIFT REACTION (CO_2 TO CO) MEDIATED BY AN Ir-PCP PINCER COMPLEX UNDER MILD CONDITIONS

CB-427-O *Fritsky, I.*, *Taras Shevchenko National University of Kyiv, Ukraine*
MACRO(BI)CYCLIC ENCAPSULATION OF HIGH-VALENT Fe, Mn AND Cu FOR CATALYSIS AND BIOMEDICAL USE

CB-428-I *Moret, M.-E.*, *Utrecht University, Utrecht, The Netherlands*
BOND ACTIVATION AND HYDROGENATION CATALYSIS BY NICKEL π-PINCER COMPOUNDS WITH C=C OR B=N CENTRAL UNITS

Symposium 3: K3: Clusters, Oxo-complexes and Main Group Chemistry

Chairs: Colette Boskovic, Vadim Kessler

ND-431-I *Kessler, V.*, *Swedish University of Agricultural Sciences, Uppsala, Sweden*
POLYOXOMETALATE MODELS FOR VISUALIZATION OF MINERAL NANOPARTICLE-BIOMOLECULE INTERACTIONS

ND-432-O *Nguyen, D.*, *Monash University, Melbourne, Australia*
INFLUENCE OF LIGAND RIGIDITY ON REDUCTION OF GROUP 2 METAL DIAMIDES

ND-433-O *Winter, R.*, *University of Konstanz, Konstanz, Germany*
BISMUTH PINCER COMPLEXES AND THEIR EMISSIVE PROPERTIES

ND-434-I *Abbenseth, J.*, *University of Manchester, Manchester, UK*
Bi(III) PLANARIZED BY REDOX-ACTIVE NNN PINCER LIGANDS

ND-435-K *Powell, A.*, *Karlsruhe Institute of Technology, Karlsruhe, Germany*
MULTITECHNIQUE EXPLORATION OF 3d/4f COORDINATION CLUSTERS

ND-436-O *Lu, E.*, *University of Birmingham, Birmingham, United Kingdom*
C-Si BOND CLEAVAGE IN LITHIUM AND SODIUM SILYL-ALKYL COMPLEXES

ND-437-O *Lowe, M.*, *Newcastle University, Newcastle upon Tyne, UK*
SODIUM METAL AND MECHANOCHEMISTRY FOR SUSTAINABLE SYNTHESIS

ND-438-I *Mueller, Ch.*, *Freie Universität Berlin, Berlin, Germany*
SYNTHESIS, COORDINATION CHEMISTRY AND REACTIVITY OF POLYDENTATE PHOSPHININES

Symposium 4: K4: Main Group Catalysis and Materials Science-3
Chairs: Andrew Jupp, Seung Jun Hwang

MG-441-I *Moon, H.W.*, *Daegu Gyeongbuk Institute of Science and Technology, Daegu, Korea*
SYNTHESIS AND CHARACTERIZATION OF AMBIPHILIC LOW-VALENT INDIUM COMPOUNDS

MG-442-O *Lee, M.H.*, *University of Ulsan, Ulsan, Republic of Korea*
EMISSIVE PROPERTIES OF *ortho*-CARBORANE DECORATED, BN-DOPED MULTI-RESONANCE TADF COMPOUNDS

MG-443-O *Vrána, J.*, *University of Pardubice, Pardubice, Czech Republic*
BASICITY OF NEUTRAL CARBORANES

MG-444-I *Zhang, S.*, *Tsinghua University, Beijing, China*
METALLOLIGAND-ENABLED PHOSPHORUS-CENTERED BOND ACTIVATION

MG-445-K *Munz, D.*, *Saarland University, Saarbrücken, Germany*
BOND ACTIVATION WITH DIRADICALS AND THEIR PHOTOPHYSICS

MG-446-O *Majchrzak, R.*, *Australian National University, Acton, Australia*
MECHANOCHEMICAL HYDROGENATION WITH SIMPLE S-BLOCK SALTS

MG-447-O *Mukai, N.*, *The University of Osaka, Osaka, Japan*
VISIBLE LIGHT INDUCED OXIDATIVE ADDITION OF ARYL IODIDE TO GALLYLENE BEARING A PHENALENYL BASED LIGAND

MG-448-I *Jupp, A.*, *University of Birmingham, Edgbaston, United Kingdom*
QUANTIFYING INTERACTIONS IN THE ACTIVE ENCOUNTER COMPLEX OF FRUSTRATED LEWIS PAIRS

Symposium 5: Room 200: Fluorinated Ligands in Coordination Chemistry
Chairs: Moritz Malischewski, Thomas Braun

ND-451-I *Braun, Th.*, *Humboldt University Berlin, Berlin, Germany*
RHODIUM-MEDIATED C-H AND C-F BOND ACTIVATION TO ACCESS FLUORINATED ALKENE DERIVATIVES

ND-452-O *Parche, J.*, *Freie Universität Berlin, Berlin, Germany*
FLUORINATED LIGANDS IN HIGH OXIDATION STATES

ND-453-O *Motornov, V.*, *Freie Universität Berlin, Berlin, Germany*
NOVEL WELL-DEFINED COPPER(III) COMPLEXES AND THEIR APPLICATIONS

ND-454-I *Radius, U.*, *Julius-Maximilians-Universität, Würzburg, Germany*
RECENT PROGRESS IN TUNGSTEN FLUORIDE COORDINATION CHEMISTRTY: NHC, cAAC, AND IMIDO COMPLEXES

ND-455-K *Dias, R.*, *The University of Texas at Arlington, Arlington, USA*
COPPER AND SILVER COMPLEXES OF FLUORINATED AZOLATES AND AZOLYL-BORATES

ND-456-O *Joven-Sancho, D.*, *Universidad de Zaragoza, Zaragoza, Spain*
TRIFLUOROMETHYL: A SUITABLE LIGAND TO STABILIZE UNPRECEDENT GEOMETRIES IN SILVER(III) SYSTEMS

ND-457-O *Limberg, N.*, *Freie Universität Berlin, Berlin, Germany*
Homoleptic Pt(IV)−CF_3 and −$OTeF_5$ Complexes: Synthesis, Reactivity, and OSLO-Based Bonding Analysis

ND-458-I *Malischewski, M.*, *Freie Universität Berlin, Berlin, Germany*
ORGANOMETALLIC CHEMISTRY OF THE PERFLUORINATED Cp^* LIGAND $[C_5(CF_3)_5]^-$

Symposium 6: Room 207: Molecular Electrocatalysts for Energy Conversion

Chairs: Biprajit Sarkar, Arnab Dutta

ES-461-I *Mougel, V.*, *ETH Zürich, Zürich, Switzerland*
METAL HYDRIDES, CPET, AND BENCHMARKING IN BIO-INSPIRED CO_2-TO-FORMATE ELECTROCATALYSIS

ES-462-K *Duboc, C.*, *Université Grenoble Alpes, Grenoble, France*
BIO-INSPIRED CATALYST DESIGN FOR SMALL MOLECULE ACTIVATION IN MULTI-ELECTRON REDUCTION PROCESSES

ES-464-I *Huang, K.-W.*, *King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia*
FUELING THE FUTURE

ES-465-K *Artero, V.*, *Université Grenoble Alpes, Grenoble, France*
FROM PROTON RELAYS TO MICROENVIRONMENTS: HARNESSING PCET PROCESSES IN MOLECULAR CATALYSIS FOR H_2 and CO_2 CONVERSION

ES-466-O *Hetterscheid, D.*, *Leiden University, Leiden, The Netherlands*
WATER SPLITTING TO PRODUCE HYDROGEN PEROXIDE

ES-467-O *Agarwala, H.*, *Technical University of Munich, Straubing, Germany*
WHICH MOLECULAR CATALYSTS WIN AT CO_2 REDUCTION – STRUCTURALLY RIGID OR FLEXIBLE?

ES-468-I *Ott, S.*, *Uppsala University, Uppsala, Sweden*
(PHOTO)ELECTROCATALYSIS OF ENERGY RLEVANCE IN METAL-ORGANIC FRAMEWORKS

Symposium 7: Room 107: Quantum Phenomena and Emergent Properties in MOFs

Chairs: Kasper Pedersen, Lars Öhrström

SM-471-I *Luneau, D.*, *Université Claude Bernard Lyon 1, Villeurbanne, France*
METAL-RADICAL FRAMEWORKS MEMORIES

SM-472-O *Viborg, A.*, *Technical University of Denmark, Lyngby, Denmark*
A HEAVY TRANSITION METAL FRAMEWORK EXHIBITING SCAFFOLD REDOX NON-INNOCENCE AND LOCAL STRUCTURAL DISTORTIONS

SM-473-O *Hahn, N.*, *Chalmers Tekniska Högskola, Göteborg, Sweden*
COLLECTIVE BUCKLING IN METAL-ORGANIC FRAMEWORK MATERIALS

SM-474-I *Geilhufe, M.*, *Chalmers University of Technology, Gothenburg, Sweden*
QUANTUM METAL-ORGANIC FRAMEWORK MATERIALS - QMOFs

SM-475-K *Cliffe, M.*, *University of Cambridge, Cambridge, UK*
QUANTUM METAL-ORGANIC MAGNETS: HARNESSING THE MODULARITY OF MOMs TOWARDS QUANTUM FUNCTION

SM-476-O *Troya, J.*, *Universitat de València, Paterna, Spain*
ENGINEERING QUANTUM SPIN LIQUIDS AND SINGLE-MOLECULE MAGNETS VIA STRUCTURAL MODULARITY IN 2D COORDINATION NETWORKS

SM-477-O *Fleege, J.*, *University of Bordeaux, Pessac, France*
TOWARDS TEREPHTHALONITRILE RADICAL-BRIDGED METAL-ORGANIC FRAMEWORKS

SM-478-I *León Alcaide, L.*, *University of Cambridge, Cambridge, UK*
DIRECT SYNTHESIS OF AN IRON METAL-ORGANIC FRAMEWORK ANTIFERROMAGNETIC GLASS

Symposium 8: Room 105+106: Spin states and reactivity
Chairs: Wesley Browne, Marcel Swart

MM-481-I *McDonald, A.*, *The University of Dublin, Dublin, Ireland*
PROBING PROTON COUPLED ELECTRON TRANSFER AND HALOGEN ATOM TRANSFER USING HIGH-VALENT OXIDANTS

MM-482-O *Killian, L.*, *Utrecht University, Utrecht, The Netherlands*
SYNTHESIS AND REDOX NON-INNOCENCE OF A π-EXTENDED β-DIKETIMINATE LIGAND

MM-483-O *Inchausti, A.*, *Université de Bordeaux, Pessac, France*
ELECTRONIC-STRUCTURAL INTERPLAY IN MOLECULAR SPIN CROSSOVER UNDER PRESSURE

MM-484-I *Siewert, I.*, *Georg-August-University Göttingen, Göttingen, Germany*
BASE-METAL HYDRIDE DONOR REAGENTS IN THE ELECTROREDUCTION OF KETONES AND ALDEHYDES

MM-485-K *Costas, M.*, *Universitat de Girona, Girona, Spain*
ARENE DEAROMATIZATION REACTIONS WITH BIOMIMETIC CATALYSTS

MM-486-O *Bokareva, O.*, *Leibniz Institute for Catalysis (LIKAT), Rostock, Germany*
SPIN DYNAMICS AND RADICAL REACTIVITY IN COBALT CATALYSIS

MM-487-O *Yang, T.-H.*, *Kaohsiung Medical University, Kaohsiung City, Taiwan*
LIGAND-CONTROLLED GEOMETRY, SPIN STATE, AND REACTIVITY IN UNSYMMETRICAL β-DIKETIMINATO NICKEL COMPLEXES

MM-488-I *Halcrow, M.*, *University of Leeds, Leeds, UK*
STRUCTURAL DISTORTIONS IN IRON(II) 2,6-BIS(PYRAZOLYL)PYRIDINE COMPLEXES

Symposium 9: Room B+C+D: f-block and Late Transition Metal Chemistry
Chairs: Timo Repo, Bas de Bruin

ND-491-I *Gericke, R.*, *Helmholtz-Zentrum Dresden - Rossendorf, Dresden, Germany*
BONDING, ELECTRONIC STRUCTURE, AND MAGNETISM IN TETRAVALENT ACTINIDE COMPLEXES WITH 2-MERCAPTO-1-METHYLIMIDAZOLE

ND-492-O *Deegan, M.*,
COMPLEXES OF BISPHOSPHINE-ALKYNE PINCER LIGANDS

ND-493-O *Li, X.*, *China Academy of Engineering Physics, Sichuan, China*
GLUTARIMIDEDIOXIME COMPLEXATION: EXTRACTION OF URANIUM *vs.* INTERFERENCE OF VANADIUM AND MOLYBDENUM IN SEAWATER

ND-494-I *Nocton, G.*, *Ecole Polytechnique, Palaiseau, France*
ORGANOMETALLIC F-ELEMENTS COMPLEXES FOR N_2 CLEAVAGE AND PHOTOCHEMICAL REACTIVITY

ND-495-K *Goodwin, C.*, *University of Manchester, Manchester, UK*
ACTINOCENES ACROSS OXIDATION STATES

ND-496-O *Andersson, M.L.*, *University of Copenhagen, Copenhagen, Denmark*
FORGING NEW Ln-TM BONDS

ND-497-O *Dankert, F.*, *University of Kassel, Kassel, Germany*
DYNAMIC Al/Cd FRAMEWORKS

ND-498-I *Perfetti, M.*, *University of Florence, Sesto Fiorentino, Italy*
SPIN ELECTRIC EFFECT ON LANTHANIDE COMPLEXES

Symposium 0: Hall 2+4: Merging Molecular Electrocatalysis and Coordination Chemistry for Organic Synthesis

Chairs: Inke Siewert, Julio Lloret Fillol

CB-501-I *Garcia, A.*, *University of Amsterdam, Amsterdam, The Netherlands*
ELECTROLYTE EFFECT IN ELECTROCHEMICAL REDUCTION OF CO_2 ON Cu ELECTRODE

CB-502-O *Deng, L.*, *Chinese Academy of Sciences, Shanghai, China*
MONONUCLEAR PALLADIUM(I) COMPLEXES BEARING ANIONIC LIGANDS

CB-503-O *Bernhardt, P.*, *University of Queensland, Brisbane, Australia*
COPPER(II)-MEDIATED REVERSIBLE RADICAL CAPTURE: MECHANISTIC INSIGHTS TOWARD APPLICATIONS IN ORGANIC SYNTHESIS

CB-504-I *Machan, C.*, *University of Virginia, Virginia, USA*
ELECTROCATALYTIC MOLECULAR STRATEGIES FOR SMALL MOLECULE ACTIVATION USING HAT MEDIATORS

CB-505-K *Miller, A.*, *University of North Carolina at Chapel Hill, North Carolina, United States*
COUPLING CO_2 ELECTROREDUCTION WITH THERMAL ORGANOMETALLIC CATALYSIS TO GENERATE METHANOL

CB-506-O *Zamader, A.*, *Sorbonne Université, Paris, France*
MULTIPLE PCET TO ADSORBED COBALT PHTHALOCYANINES IN CO_2 ELECTROCATALYSIS: FROM CO TO HCHO AND AMINES

CB-507-O *Suhr, S.*, *Yale University, New Haven, USA*
FAST ELECTROCATALYTIC PCET VIA REDOX-ACTIVE LIGANDS ENABLES RADICAL CHEMISTRY

CB-508-I *Tilley, D.*, *University of Zurich, Zurich, Switzerland*
HOST–GUEST IMMOBILIZED MOLECULAR ELECTROCATALYSTS FOR VALUE-ADDED OXIDATION REACTIONS

Symposium 1: Hall 1: Sustainability and Catalysis for Green Molecular Transformations-1

Chairs: Toshiyuki Moriuchi, Chi Chiu Ko

ES-511-K *Licini, G.*, *University of Padova, Padova, Italy*
VANADIUM CATALYZED AEROBIC OXIDATIONS, FROM MODELS TO BIOMASS VALORIZATION

ES-513-O *Costabile, C.*, *Università degli Studi di Salerno, Fisciano, Italy*
DFT MECHANISTIC STUDIES FOR A Pd-CATALYZED GREEN SYNTHESIS OF ISOCYANATES

ES-514-I *Ko, V.C.-C.*, *City University of Hong Kong, Hong Kong, PR China*
DESIGN OF LUMINESCENT Re(I) AND Ir(III) COMPLEXES FOR PHOTOCATALYSIS AND STIMULI-RESPONSIVE MATERIALS

ES-515-K *Betley, T.*, *Harvard University, Cambridge, USA*
ORGANOMETALLIC CLUSTERS - GREEN METHODS FOR SMALL MOLECULE ACTIVATION

ES-516-O *Moriuchi, T.*, *Osaka Metropolitan University, Osaka, Japan*
SUSTAINABLE CATALYTIC SYNTHESIS OF UREA COMPOUNDS FROM CARBON DIOXIDE UNDER ATMOSPHERIC PRESSURE

ES-517-O *Phillips, A.*, *University College Dublin, Dublin, Ireland*
APPLICATION OF DEFINABLE, ISOLABLE AND HIGHLY STABLE MONO-COORDINATED DIIMINE SILVER(I) COMPLEXES IN CARBOXYLTIVE CYCLISATION REACTIONS

ES-518-I *You, Y.*, *Yonsei University, Seoul, Republic of Korea*
PHOTOCATALTIC GOLD(I) COMPLEXES

Symposium 2: K2: Early Transition Metal Chemistry: From Fundamental Systems to Applications-1

Chairs: Torsten Beweries, Gabriele Hierlmeier

CB-521-I *Hierlmeier, G.*, *University of Wuerzburg, Wuerzburg, Germany*
REDUCTIVE ELIMINATION AS A KEY STEP IN TITANIUM-CATALYZED SMALL MOLECULE VALORIZATION

CB-522-O *Reiß, F.*, *Leibniz Institute for Catalysis, Rostock, Germany*
THEORETICAL INVESTIGATION INTO THE DEVELOPMENT OF NEW Ti, Zr, AND V BASED DEPROTIO-1-METALLA-CYCLOBUTADI-2,3-ENE COMPLEXES

CB-523-O *Sato, T.*, *Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*
INFLUENCE OF COBALT COORDINATION IN LANTHANUM COBALT PEROVSKITE ON CYCLOHEXANE OXIDATION

CB-524-I *Hohloch, S.*, *University of Innsbruck, Innsbruck, Austria*
THE EARLY TRANSITION METAL CHEMISTRY OF THE PHOSPHORUS AND ARSENIC ANALOGUES OF THE THIOCYANATE ANION

CB-525-K *Schafer, L.L.*, *University of British Columbia, Vancouver, Canada*
1,3-N,O-CHELATES AS GUILTY LIGANDS

CB-526-O *Neumann, T.*, *Université Claude Bernard, Lyon, France*
H/D EXCHANGE CATALYZED BY SILICA-SUPPORTED HETEROBIMETALLIC COMPLEXES CONTAINING FIRST-ROW TRANSITION METALS

CB-527-O *Pearce, J.*, *Victoria University of Wellington, Wellington, New Zealand*
SYNTHESIS AND REACTIVITY OF LANTHANIDE(II) HYDRIDES

CB-528-I *Chu, J.*, *University of Chinese Academy of Sciences, Beijing, China*
ROOM TEMPERATURE RING OPENING OF BENZENE BY FOUR-ELECTRON REDUCTION AND CARBONYLATION

Symposium 3: K3: Metallo-Supramolecular Chemistry Meets Biology

Chairs: Michael Hannon, Valerie Pierre

BM-531-I *Hannon, M.*, *University of Birmingham, Birmingham, UK*
SUPRAMOLECULAR RECOGNITION OF DNA AND RNA JUNCTION STRUCTURES

BM-532-O *Kennedy, M.*, *Université Paris-Saclay, Orsay, France*
SELF-ASSEMBLED PRUSSIAN BLUE NANOPARTICLES AS MULTIFUNCTIONAL PLATFORMS FOR BIOMEDICAL APPLICATIONS

BM-533-O *Komarnicka, U.*, *University of Wroclaw, Wrocław, Poland*
INFLUENCE OF PHOSPHINE LIGANDS ON THE ANTICANCER PROPERTIES OF ORGANOMETALLIC COMPOUNDS

BM-534-I *Hernandez Sanchez, R.*, *Rice University, Houston, USA*
REACTIVE METAL-METAL BONDS WITHIN C_4 SYMMETRIC ARCHITECTURES

BM-535-K *Fujita, M.*, *The University of Tokyo, Tokyo, Japan*
SINGLE-MOLECULE PROTEIN ENCAPSULATION IN SELF-ASSEMBLED COORDINATION CAGES

BM-536-K *Holland, J.*, *University of Zurich, Zurich, Switzerland*
NEW TACTICS IN RADIOTHERANOSTIC DESIGN

BM-538-I *Vazquez Lopez, M.*, *Universidad de Santiago de Compostela, Santiago de Compostela, Spain*
SELECTIVE RECOGNITION AND CLEAVAGE OF DNA THREE-WAY JUNCTIONS IN LIVE CELLS WITH PEPTIDE HELICATES

Symposium 4: K4: P-block Elements in Exotic Electronic States and Constrained Geometries-1

Chairs: Josh Abbenseth, Christoph Riesinger

MG-541-I *Dobrovetsky, R.*, *Tel-Aviv University, Tel-Aviv, Israel*
MIMICKING TRANSITION METALS WITH STRUCTURALLY CONSTRAINED P(III) AND Sb(III) CATIONS

MG-542-O *Ward, J.*, *University of Jyvaskyla, Jyväskylä, Finland*
HETEROLEPTIC IODINE(I) COMPLEXES AS VERSATILE PLATFORMS FOR FUNCTIONAL MATERIALS: FROM STRUCTURE TO REACTIVITY

MG-543-O *Soto, E.*, *Indiana University Bloomington, Indiana, USA*
EXPANDING THE CHEMISTRY OF PHOSPHANYL PHOSPHAALKENE ANALOGS

MG-544-I *Gessner, V.*, *Ruhr-University Bochum, Bochum, Germany*
YLIDE-FUNCTIONALIZED MAIN GROUP COMPOUNDS IN LOW OXIDATION STATES

MG-545-K *Aldridge, S.*, *University of Oxford, Oxford, UK*
UNLEASHING NEW PATTERNS OF REACTIVITY WITH ELECTRON-RICH MAIN GROUP COMPOUNDS

MG-546-O *Lindsay, C.*, *Australian National University, Canberra, Australia*
TRAPPED ANIONS FOR HYDROGEN STORAGE

MG-547-O *Liptrot, D.*, *University of Bath, Bath, UK*
TRANSMUTING COPPER INTO A MAIN GROUP ELEMENT

MG-548-I *Pietschnig, R.*, *University of Kassel, Kassel, Germany*
ADAPTIVE COORDINATION OF PHOSPHORUS ATOMS WITH CONTINUOUS VARIATION BETWEEN ELECTRON OCTET AND SEXTET

Symposium 5: Room 200: From Interfacial to Spatially Confined Organometallic Chemistry-1

Chairs: Sven Schneider, Andrew Weller

ND-551-I *Buchmeiser, M.*, *University of Stuttgart, Stuttgart, Germany*
TAILORING CATALYTIC SELECTIVITY BY ENZYME-INSPIRED CONFINEMENT

ND-552-O *Powers, D.*, *Texas A&M University, College Station, USA*
IN CRYSTALLO CATALYST ACTIVATION ENABLES HIGH-THROUGHPUT EXPERIMENTATION

ND-553-O *Heaton, J.*, *University of York, York, UK*
USING SMOM TO UNDERSTAND THE MECHANISM OF *IN CRYSTALLO* SOLID/GAS ETHYLENE HYDROGENATION WITH AN OPEN-SHELL IRIDIUM(II) HYDRIDE

ND-554-I *Himeda, Y.*, *National Institute of Advanced Industrial Science and Technology, Tsukuba, Japan*
GAS-SOLID PHASE ORGANOMETALLIC CATALYSIS OF CO_2 HYDROGENATION TO METHANOL

ND-555-K *Cole, J.*, *University of Cambridge, Cambridge, UK*
DISCOVERY OF SINGLE-CRYSTAL OPTICAL ACTUATORS FOR QUANTUM SENSING

ND-556-O *Repp, S.*, *Max Planck Institute for Solid State Research, Stuttgart, Germany*
UNVEILING POLY(HETPTAZINE IMIDES): LOOKING FOR THE SMALL DETAILS TO DISTINGUISH THE SUBSTANCE CLASS PHI

ND-557-O *Otte, M.*, *University of Göttingen, Göttingen, Germany*
BIOINORGANIC CHEMISTRY IN ENDO-FUNCTIONALIZED CAGES

ND-558-I *Neumann, C.*, *Max-Planck-Institut für Kohleforschung, Mülheim/Ruhr, Germany*
ORDER AND MOBILITY IN MOF CATALYSIS

Symposium 6: Room 207: Organoradioelement Chemistry-1
Chairs: Steve Liddle, Polly Arnold

ND-561-K *La Pierre, H.*, *Georgia Institute of Technology, Atlanta Georgia, USA*
LANTHANIDES AND ACTINIDES IN HIGH-OXIDATION STATES

ND-563-O *Hermann, P.*, *Charles University of Prague, Prague, Czech Republic*
COMPLEXES OF LARGE MACROCYCLIC PYRIDINOPHANES: IMPLICATION FOR COMPLEXATION OF LARGE METAL RADIOISOTOPES

ND-564-I *Guérard, F.*, *Université d'Angers, Nantes, France*
INVITED TALK. RADIOLABELING WITH ASTATINE-211 FOR TARGETED ALPHA THERAPY OF CANCER: HALOGEN CHEMISTRY APPROACHES AND BEYOND

ND-565-K *Bart, S.*, *Purdue University, West Lafayette, USA*
HYDROTRIS(3,5-DIMETHYLPYRAZOLYL)BORATE LIGANDS AS VERSATILE SUPPORTS FOR f-ELEMENT CHEMISTRY

ND-566-O *Ferrari, E.*, *University of Modena and Reggio Emilia, Modena, Italy*
RIGIDITY AS A TOOL TO CONTROL ISOMERIZATION: A PROMISING HBED DERIVATIVE FOR GALLIUM-68

ND-567-O *Vondung, L.*, *University of Hamburg, Hamburg, Germany*
f-ELEMENT COMPLEXES WITH SOFT NEUTRAL DONOR GROUPS

ND-568-I *Battisti, U.M.*, *University of Copenhagen, Copenhagen, Denmark*
ASTATINE-211: THE "GOLDILOCKS" OF RADIONUCLIDES: A CHEMISTRY PUZZLE WITH ANTICANCER POTENTIAL

Symposium 7: Room 107: MOFs as Platforms for Catalysis and Reactivity Control
Chairs: Sascha Ott, James McPherson

SM-571-I *Doonan , Ch.*, *Adelaide University, Adelaide, Australia*
MOF SHUTTLES FOR ENHANCING HETEROGENEOUS CATALYSIS

SM-572-O *Talebi Deylamani, S.*, *Technical University of Denmark, Lyngby, Denmark*
DEFECT-MEDIATED ENZYME ENTRAPMENT IN AQUEOUS ZIF HOSTS

SM-573-O *Cortez Sgroi Pupo, R.*, *University of Oslo, Oslo, Norway*
UiO-67 AS A PLATFORM FOR ENZYME-INSPIRED SECOND-SPHERE CONTROL IN COPPER OXIDATION CATALYSTS

SM-574-I *Lock, N.*, *Aarhus University, Aarhus, Denmark*
DISORDERED COORDINATON POLYMERS BY DESIGN?

SM-575-K *Olsbye, U.*, *University of Oslo, Oslo, Norway*
FUNCTIONALISATION OF UiO-66/67 MOFs FOR CATALYSIS

SM-576-O *Nicolini, A.*, *University of Modena and Reggio Emilia (UniMORE), Modena, Italy*
SPIN-POLARIZED OXYGEN EVOLUTION REACTION (OER) CATALYZED BY CHIRAL METAL-ORGANIC FRAMEWORKS (MOFs)

SM-577-O *Ganapathi, A.*, *Indian Institute of Technology Kanpur, Uttar Pradesh, India*
LOPHINE BASED-MULTIFUNCTIONAL MOFs AND THEIR APPLICATIONS TOWARDS SENSING AND CATALYSIS

SM-578-I *Baumgartner, B.*, *University of Amsterdam, Amsterdam, The Netherlands*
LINKER-CENTERED CHARGE TRANSFER GOVERNS CO_2 PHOTOREDUCTION IN PHOTOACTIVE Zr-BASED METAL–ORGANIC FRAMEWORKS

Symposium 8: Room 105+106: Advanced X-ray, Diffraction, and Ultrafast Optical Methods-1

Chairs: Arianna Lanza, Serena DeBeer

MM-581-I *Lozinšek, M.*, *Jožef Stefan Institute, Ljubljana, Slovenia*
STRONGLY OXIDIZING AND AIR-SENSITIVE NOBLE-GAS COMPOUNDS INVESTIGATED BY 3D ELECTRON DIFFRACTION

MM-582-O *Kieslich, G.*, *Justus-Liebig-Universität Giessen, Giessen, Germany*
A NEW HIGH-PRESSURE POWDER X-RAY DIFFRACTION CELL FOR SOFT MATERIALS

MM-583-O *Sugimoto, K.*, *Kindai University, Osaka, Japan*
COUNTER-CATION-DIRECTED ASSEMBLY OF Pt(*i*-mnt)$_2$Cu$_2$I$_4$ CHAINS: CHIRALITY AND LUMINESCENCE CONTROL

MM-584-I *Brazda, P.*, *Czech Academy of Sciences, Prague, Czech Republic*
3D ELECTRON DIFFRACTION FOR STRUCTURE ANALYSIS OF SUB-MICROCRYSTAL COORDINATION POLYMERS AND MOFs

MM-585-K *Pacoste, L.*, *Stockholm University, Stockholm, Sweden*
DEVELOPING ELECTRON DIFFRACTION METHODS TO PROBE OXIDATION STATES IN METAL-ORGANIC COMPLEXES AND METALLOENZYMES

MM-586-O *Scott, A.*, *Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*
DEVELOPMENT OF 4d-TO-2p X-RAY EMISSION SPECTROSCOPY TO CHARACTERIZE 4d METAL CATALYSTS

MM-587-O *Dederichs, T.*, *Uppsala University, Uppsala, Sweden*
TIME-RESOLVED RESONANT INELASTIC X-RAY SCATTERING REVEALS HOW ORBITAL SYMMETRY ALIGNMENT ENABLES C–H ACTIVATION

MM-588-I *Sarangi, R.*, *Stanford Synchrotron Radiation Lightsource, California, USA*
CHARACTERIZING ORGANOMETALLIC SPECIES IN BIOLOGICAL AND MOLECULAR CATALYSIS USING HIGH-RESOLUTION X-RAY SPECTROSCOPY

Symposium 9: Room B+C+D: Lanthanide Luminescence for Advanced Applications-1

Chairs: Stéphane Petoud, Theodore Lazarides

FB-591-I *Ung, G.*, *University of Connecticut, Storrs, USA*
HOMOLEPTIC N-OXIDE LANTHANIDE COMPLEXES FOR NEAR-INFRARED CIRCULARLY POLARIZED LUMINESCENCE

FB-592-O *Flichot, H.*, *Université de Rennes, Rennes, France*
CROSSED CHIROPTICAL PROPERTIES IN A DYSPROSIUM CHIRAL SINGLE MOLECULE MAGNET

FB-593-O *Tsang, M.Y.*, *Polish Center for Technology Development, Poland*
A STRATEGY TO ENHANCE PHOTON UPCONVERSION EMISSION IN LANTHANIDE METAL-ORGANIC FRAMEWORKS

FB-594-I *Pikramenou, Z.*, *University of Birmingham, Birmingham, UK*
LUMINESCENT LANTHANIDE ASSEMBLIES FOR DETECTION AND SENSING: FROM SUPERAMOLECULAR DESIGNS TO NANOSCALE

FB-595-K *Eliseeva, S.*, *Université d'Orléans, Orléans, France*
LUMINESCENT LANTHANIDE(III) METALLACROWNS AS A VERSITILE CLASS OF FUNCTIONAL MATERIALS

FB-596-O *Min, K.*, *Kyungpook National University, Daegu, Korea*
MONONUCLEAR LANTHANIDE(III) COMPLEXES CONTAINING TETRADENTATE N_2O_2 ACYCLIC LIGANDS: π INTERACTION, LUMINESCENCE, AND MAGNETISM

FB-597-O *Nielsen, V.R.M.*, *University of Copenhagen, Copenhagen, Denmark*
EVALUATION OF POINT GROUP SYMMETRY IN COORDINATION COMPLEXES

FB-598-I *Fuentealba, P.*, *Universidad de Chile, Santiago, Chile*
THERMOMETRY OF NEODYMIUM BASED COMPLEXE IN BIOLOGICAL WINDOWS AND PHYSIOLOGICAL TEMPERATURE RANGE

Symposium 0: Hall 2+4: Bioinspired Oxidation Catalysis with Iron Complexes-1

Chairs: Franc Meyer

CB-601-I *Nam, W.*, *Ewha Womans University, Seoul, Korea*
METAL-OXYGEN INTERMEDIATES IN DIOXYGEN ACTIVATION AND FORMATION REACTIONS

CB-602-O *Villechenous Rojo, A.*, *The University of Dublin, Dublin, Ireland*
BIOINSPIRED COBALT-BASED CATALYSTS FOR THE OXIDATION OF STRONG C-H BONDS

CB-603-O *Skavenborg, M.L.*, *University of Southern Denmark, Odense, Denmark*
IRON COMPLEXES AS CHARGE CARRIERS IN ALL IRON REDOX FLOW BATTERIES

CB-604-O *Sastri, C.V.*, *Indian Institute of Technology, Guwahati, India*
WHY ALDEHYDE OXIDATION BY METAL–OXYGEN SPECIES MATTERS: CHEMICAL AND BIOLOGICAL PERSPECTIVES

CB-605-I *Guo, Y.*, *Carnegie Mellon University, Pittsburgh, USA*
PROTONATION ON A BRIDGING SULFIDE OF AN $[Fe_4S_4]$ CLUSTER STABILIZES AN S = 7/2 $[Fe_4S_4]^+$ STATE IN ARCHETYPE FERREDOXIN:THIOREDOXIN REDUCTASE

CB-606-K *Austin, R.*, *Columbia University, New York, USA*
SELECTIVE ALKANE OXIDATION BY NON-HEME IRON ENZYMES AND MIMICS

CB-607-O *Glaser, T.*, *University of Bielefeld, Bielefeld, Germany*
TUNING THE ELECTROPHILIC REACTIVITY OF μ-1,2-PEROXO DIFERRIC COMPLEXES

CB-608-O *Paria, S.*, *Indian Institute of Technology Delhi, New Delhi, India*
ELUCIDATING THE ROLE OF THE SECONDARY COORDINATION SPHERE IN OXYGEN AND NITRITE REDUCTION REACTION BY NON-HEME IRON COMPLEXES

Symposium 1: Hall 1: Sustainability and Catalysis for Green Molecular Transformations-2

Chairs: Hajime Kameo, Takahiro Matsumoto

ES-611-I *Gao, D.*, *Johannes Gutenberg-University Mainz, Mainz, Germany*
SUSTAINABLE AMMONIA ELECTROSYNTHESIS COUPLED WITH GLYCEROL VALORIZATION VIA AN ADAPTIVE TRI-COMPONENT CATALYST

ES-612-O *Soo, H.S.*, *Nanyang Technological University, Singapore, Singapore*
PHOTO(ELECTRO)CATALYSIS BY METAL HALIDE PEROVSKITES

ES-613-O *Dutta, I.*, *King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia*
DECODING “FORMIC ACID” AS HYDROGEN ENERGY CARRIER: EVALUATION OF REVERSIBLE CATALYTIC DEHYDROGENATION WITH A MANGANESE PINCER COMPLEX

ES-614-O *Poller, M.J.*, *University of Hamburg, Hamburg, Germany*
POLYOXOMETALATES FOR APPLICATIONS IN SUSTAINABLE CATALYSIS

ES-615-I *Matsumoto, T.*, *Kyushu University, Fukuoka, Japan*
IRON ION ENABLES PHOTOCATALYTIC HYDROGEN EVOLUTION FROM METHANOL

ES-616-K *Bourissou, D.*, *Université Paul Sabatier, Toulouse, France*
METAL-LIGAND COOPERATIVE CATALYSIS WITH NEW LIGAND FRAMEWORKS AND GROUP 10 METALS

ES-617-O *Chaplin, A.*, *University of Warwick, Coventry, UK*
COPPER(I) CATALYSED DIBORON(4) REDUCTION OF NITROUS OXIDE

ES-618-O *Kameo, H.*, *Osaka Metropolitan University, Osaka, Japan*
NUCLEOPHILIC ACTIVATION ENABLED BY Z-TYPE INTERACTIONS: STRONG-BOND ACTIVATION IN ORGANOSILICON CHEMISTRY

Symposium 2: K2: Early Transition Metal Chemistry: From Fundamental Systems to Applications-2

Chairs: Torsten Beweries, Ian Tonks

CB-621-I *Tonks, I.*, *University of Minnesota, Minneapolis, USA*
N-N BOND FORMATION THROUGH N-H DEHYDROCOUPLING: MULTI-SITE PROTON-COUPLED ELECTRON TRANSFER STRATEGIES LEADING TO COMPLEX N-HETEROCYCLES

CB-622-O *Hernandez, M.*, *University of California, Berkeley, USA*
CATALYTIC, SELECTIVE, AMBIENT TEMPERATURE DINITROGEN SILYLATION BY MONONUCLEAR METAL ARYLOXIDE COMPLEXES

CB-623-O *Yoo, C.*, *Ulsan National Institute of Science and Technology, South Korea*
TITANIUM-MEDIATED COUPLING OF CO_2 AND ETHYLENE TO ACRYLATE USING Cp^*_2Ti COMPLEXES

CB-624-O *Horáček, M.*, *Czech Academy of Sciences, Prague, Czech Republic*
TRANSITION METAL CATIONS AS CATALYSTS FOR MULTIPLE BOND ACTIVATION

CB-625-I *Conley, M.*, *University of California, Riverside, USA*
BREAKING DOWN POLYOLEFIN PLASTICS: FROM EARLY METALS TO THE MAIN GROUP

CB-626-K *Mindiola, D.J.*, *University of Pennsylvania, Pennsylvania, USA*
A DIANIONIC ALLENE BOUND TO VANADIUM(III) ENABLES INTERCONVERSION BETWEEN VANADATETRAHEDRANES, VANADACYCLOBUTADIENES AND DEPROTIOVANADACYCLOBUTADIENES

CB-627-O *LeComte, A.*, *Simon Fraser University, Burnaby, Canada*
REACTIVITY OF METAL NITRIDES TOWARDS SMALL MOLECULE SUBSTRATES

CB-628-O *Wang, X.*, *Université de Toulouse, Toulouse, France*
ELECTROCHEMICAL AMMONIA SYNTHESIS FROM A BIS-ARYLOXY-CARBENE-MOLYBDENUM NITRIDE COMPLEX

Symposium 3: K3: Light-, Redox-, and Structure-Controlled Metal Complexes in Biology and Medicine

Chairs: Michael Hannon, Valerie Pierre

BM-631-I *Morrow, J.*, *The State University of New York, New York, US*
WATER-SOLUBLE TETRAHEDRAL Ga(III) OR Fe(III) COORDINATION CAGES ENCAPSULATING GOLD(I) ANTICANCER DRUGS

BM-632-O *Cziferszky, M.*, *University of Innsbruck, Innsbruck, Austria*
MASS SPECTROMETRY TOOLS TO SUPPORT METALLODRUG DESIGN AND DEVELOPMENT

BM-633-O *Siegbahn, P.*, *Stockholm University, Stockholm, Sweden*
IMPORTANT REDOX ENZYMES IN NATURE

BM-634-O *Tonon, G.*, *University of Venice, Mestre, Italy*
ANTIBODY ORGANOMETALLIC CONJUGATES: A NEW CLASS OF LIGHT-ACTIVATED TARGETED THERAPEUTICS

BM-635-I *Pöthig, A.*, *Technical University of Munich, Garching, Germany*
EXPLORING ENDOHEDRAL AND EXOHEDRAL WEAK INTERACTIONS OF PILLARPLEX-BASED NANOTUBES

BM-636-K *Pierre, V.*, *University of Utah, Salt Lake City, United States*
LANTHANIDE IONOPHORES ENABLE SELECTIVE AND DIRECTIONAL TRANSPORT OF HIGHLY HYDRATED ANIONS

BM-637-O *Tripier, R.*, *University of Brest, Brest, France*
STRUCTURE–PROPERTY RELATIONSHIPS IN C-FUNCTIONALIZED AZAMACROCYCLIC METAL COMPLEXES FOR IMAGING AND THERAPY

BM-638-O *Faltejsek, J.*, *Charles University of Prague, Prague, Czech Republic*
FROM ISOMERISM TO FUNCTION: H_4PYTA COMPLEXES WITH EXCEPTIONAL KINETIC INERTNESS

BM-63A-O *Tsoni, S.A.*, *Aristotle University of Thessaloniki, Thessaloniki, Greece*
TACKLING THE LIMITATIONS OF PHOTODYNAMIC CANCER THERAPY USING FUNCTIONALIZED Ru(II) POLYPYRIDYL COMPLEXES

Symposium 4: K4: P-block Elements in Exotic Electronic States and Constrained Geometries-2

Chairs: Josh Abbenseth, Christoph Riesinger

MG-641-I *Hering-Junghans, Ch.*, *Leibniz Institute for Catalysis e.V., Germany*
PHOSPHORUS MEETS ALUMINUM - THE CHEMISTRY OF PHOSPHAALUMENES

MG-642-O *Ansmann, N.*, *University of Oxford, Oxford, UK*
LIGAND-CONTROLLED REVERSIBLE C-H ACTIVATION AT TRIELYL-RHODIUM COMPLEXES

MG-643-O *Zander, E.*, *Australian National University, Canberra, Australia*
(^{EMind}NON) – THE SYNTHESIS OF AN EXTREMELY BULKY LIGAND AND ITS PERFORMANCE IN LOW VALENT MAIN GROUP CHEMISTRY

MG-644-O *Fischer, M.*, *Georg-August-University Göttingen, Göttingen, Germany*
FROM *N*-HETEROCYCLIC CARBENES TO HEAVIER ANALOGUES AND COMBINATIONS THEREOF: TAMING ELUSIVE SPECIES AND UNLOCKING UNIQUE REACTIVITY

MG-645-I *Majumdar, M.*, *Indian Institute of Science Education and Research Pune, Pune, India*
MULTIPLY CHARGED DI- AND TRI-NUCLEAR HEAVIER PNICTOGEN CATIONS

MG-646-K *Liu, L.L.*, *SUSTech, Shenzhen, China*
STABLE CARBENE OF INVERTED ELECTRONIC CONFIGURATION

MG-647-O *Eickhoff, L.*, *Australian National University, Canberra, Australia*
STABILISATION OF HYPERVALENT ALUMINIUM HYDRIDE ANIONS IN SOLUTION

MG-648-O *Meier, D.*, *Indiana University Bloomington, Indiana, USA*
SYNTHESIS OF CYARSIDE (-C≡As) BY SELECTIVE OXIDATIVE ADDITION AND ITS REACTIVITY TO FORM HETEROCYCLES

Symposium 5: Room 200: From Interfacial to Spatially Confined Organometallic Chemistry-2

Chairs: David Powers, Constanze Neumann

ND-651-I *Thieuleux, C.*, *Université Claude Bernard, Lyon, France*
DEVELOPMENT OF SILICA-SUPPORTED BIMETALLIC NANOPARTICLES THROUGH SURFACE ORGANOMETALLIC CHEMISTRY

ND-652-O *Schnegg, A.*, *Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*
DETERMINATION OF THE SPATIAL ARRANGEMENT OF ACTIVE METAL CENTRES IN MOFs USING EPR SPECTROSCOPY

ND-653-O *Weller, A.*, *University of York, York, UK*
SOLID-STATE MOLECULAR ORGANOMETALLIC CATALYSIS: CRYSTALLINE MOLECULAR FACTORIES

ND-654-O *Kawaguchi, J.*, *The University of Osaka, Osaka, Japan*
STRATEGIC INTEGRATION OF MOLECULAR ELECTROCATALYSTS ON STACKED BOROPHENE-ANALOGUE SHEETS

ND-655-I *Fischer, R.A.*, *Technical University of Munich, Garching, Germany*
PHOTOCATALYTIC METAL-ORGANIC FRAMEWORK NANOZYMES

ND-656-K *Coperet, Ch.*, *ETH Zurich, Zurich, Switzerland*
UNDERSTANDING CATALYSIS, ONE ATOM AT A TIME

ND-657-O *Gelman, D.*, *The Hebrew University of Jerusalem, Jerusalem, Israel*
MODULAR PINCER CATALYSTS FOR CO_2 HYDROGENATION

ND-658-O *Torres-Cavanillas, R.*, *University of Valencia, Valencia, Spain*
SYNTHESIS OF LARGE-AREA 2D PRUSSIAN BLUE AS NON-VOLATILE MEMRISTORS

Symposium 6: Room 207: Organoradioelement Chemistry-2
Chairs: Henry La Pierre, Suzanne Bart

ND-661-K *Liddle, S.*, *University of Manchester, Manchester, UK*
EXALTED DIAMAGNETISM IN TRITHORIUM CLUSTERS: AROMATIC SUPERATOMS

ND-663-O *Paloc, S.*, *Ecole Polytechnique, Palaiseau, France*
LOW-VALENT URANIUM HYDRIDE COMPLEXES FOR NITROGEN ACTIVATION

ND-664-O *Pang, Y.*, *Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne, Switzerland*
DINITROGEN ACTIVATION BY A URANIUM HYDRIDE COMPLEX

ND-665-I *Walensky, J.*, *University of Missouri, Columbia, USA*
THE MARRIAGE OF ACTINIDE AND MAIN GROUP ELEMENTS

ND-666-K *Arnold, P.*, *University of California, Berkeley, USA*
ORGANOMETALLIC ACTINIDE CHEMISTRY IN HIGH OXIDATION STATES, FROM Th TO Bk

ND-667-O *Do, D.C.H.*, *University of Sussex, Brighton, United Kingdom*
EXPLORING STANNOLE NONINNOCENCE TOWARDS GROUP 4 METALS AND ACTINIDES

ND-668-O *Roca Jungfer, M.*, *Karlsruhe Institute of Technology, Karlsruhe, Germany*
A QUEST FOR TECHNETIUM ALKYNE COMPLEXES

Symposium 7: Room 107: MOF Research and Applications
Chairs: Lars Öhrström, Nina Lock

SM-671-I *Au, V.K--M.*, *Kyoto University, Kyoto, Japan*
VERSATILE METAL–ORGANIC FRAMEWORKS FOR THE MANAGEMENT OF DIVERSE ENVIRONMENTAL POLLUTANTS

SM-672-O *Malhotra, J.S.*, *Technical University of Denmark, Lyngby, Denmark*
A HYDROPHOBIC METAL-ORGANIC FRAMEWORK FOR GRAVIMETRIC SENSING OF AQUEOUS METHANE

SM-673-K *Eddaoudi, M.*, *King Abdullah University of Science and Technology (KAUST), Thuwal, Saudi Arabia*
RETICULAR CHEMISTRY: THE DESIGN JOURNEY FROM HIGHLY-CONNECTED BUILDING BLOCKS TO MERGED NETS

SM-675-I *Amombo Noa, F.M.*, *Chalmers University of Technology, Gothenburg, Sweden*
SYNTHESIS OF RETICULATED FRAMEWORKS WITH PARTICULAR INTEREST IN TOPOLOGY, MECHANICAL AND SORPTION PROPERTIES

SM-676-K *Shustova, N.*, *University of South Carolina, Columbia, USA*
MOF REACTIVITY: MAPPING ACTIVE SITES AND CATALYSIS ON-DEMAND

SM-677-O *Toki, Y.*, *Osaka Metropolitan University, Sakai, Japan*
SOLVATO/VAPOCHROMIC BEHAVIOR OF Cu-BASED METAL-ORGANIC FRAMEWORK THIN FILMS WITH COORDINATIVELY UNSATURATED METAL SITES FOR ALCOHOL SENSING

SM-678-O *Ohta, S.*, *Hirosaki University, Hirosaki, Japan*
A GUEST-EXCHANGE STRATEGY FOR THE SYNTHESIS OF HYDROGEN-BONDED ORGANIC FRAMEWORKS BASED ON COORDINATION COMPOUNDS

Symposium 8: Room 105+106: Advanced X-ray, Diffraction, and Ultrafast Optical Methods-2

Chairs: Amy Cordones-Hahn, Renske van der Veen

MM-681-I *Moonshiram, D.*, *Instituto de Ciencia de Materiales de Madrid, Madrid, Spain*
PICOSECOND X-RAY PROBES REVEAL TIME-RESOLVED X-RAY MECHANISTIC INSIGHTS INTO COBALT, NICKEL, AND COPPER PHOTOCATALYSTS FOR HYDROGEN GENERATION

MM-682-O *Lozada, I.B.M.*, *Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*
REVISITING POLYPYRIDINE IRON(II) COMPLEXES: A COMBINED TIME-RESOLVED AND VARIABLE-TEMPERATURE X-RAY SPECTROSCOPIC STUDIES

MM-683-O *Gawelda, W.*, *Madrid Institute for Advanced Studies in Nanoscience IMDEA Nanociencia, Madrid, Spain*
ELECTRON TRANSFER-INDUCED STRUCTURAL CHANGES IN Cu-prion PEPTIDE COMPLEX STUDIED BY ULTRAFAST X-RAY TECHNIQUES

MM-684-O *Seidel, W.W.*, *University of Rostock, Rostock, Germany*
SPECTROSCOPIC EVIDENCE FOR A METASTABLE INTERMEDIATE WITH *SIDE-ON* COORDINATED CARBONYL LIGAND

MM-685-I *Sension, R.*, *University of Michigan, Ann Arbor, USA*
WATCHING MOLECULES IN ACTION: ULTRAFAST X-RAY PROBES OF ELECTRONIC AND STRUCTURAL DYNAMICS

MM-686-K *Weinstein, J.*, *University of Sheffield, Sheffield, UK*
IR-CONTROL OF PHOTOCHEMICAL PATHWAYS IN DONOR-ACCEPTOR METAL COMPLEXES: ULTRAFAST DYNAMICS FROM FEMTOSECOND OPTICAL AND X-RAY SPECTROSCOPIES

MM-687-O *Ogawa, T.*, *Kyushu University, Fukuoka, Japan*
LUMINESCENT TRIPLET EXCITED STATE IN AN IRON(II) ISOCYANIDE COMPLEX PROVED BY TIME-RESOLVED IR SPECTROSCOPY

MM-688-O *Bokarev, S.*, *Technical University of Munich, Garching, Germany*
MULTICONFIGURATIONAL THEORY FOR SPECTRA AND DYNAMICS IN HIGHLY EXCITED TRANSITION METAL COMPLEXES

Symposium 9: Room B+C+D: Lanthanide Luminescence for Advanced Applications-2

Chairs: Svetlana V. Eliseeva, Zoe Pikramenou

FB-691-I *Lazarides, T.*, *Aristotle University of Thessaloniki, Thessaloniki, Greece*
TEMPERATURE SENSING WITH LUMINESCENT LANTHANIDE METAL-ORGANIC FRAMEWORKS IN TWO TEMPERATURE REGIONS

FB-692-O *Roy, M.*, *University of Copenhagen, Copenhagen, Denmark*
HETERODINUCLEAR CRYPTATE COMPLEXES OF ARBITRARY LANTHANIDE COMBINATIONS

FB-693-O *Allen, M.*, *University of Oxford, Oxford, UK*
EXPLORING ENERGY TRANSFER IN SELF-ASSEMBLED HOMO- AND HETEROBIMETALLIC LANTHANIDE COMPLEXES

FB-694-O *Prętka, D.*, *Adam Mickiewicz University in Poznań, Poznań, Poland*
PHOTORESPONSIVE LANTHANIDE(III) MACROCYCLES

FB-695-I *Petoud, S.*, *Université d'Orléans, Orléans, France*
LANTHANIDE-BASED METAL-ORGANIC FRAMEWORKS: NEW PERSPECTIVES FOR NEAR-INFRARED OPTICAL BIOLOGICAL IMAGING

FB-696-K *Faulkner, S.*, *University of Oxford, Oxford, UK*
LIGHTING THE WAY: CHEMICAL AND PHYSICAL CONTROL OF LANTHANIDE LUMINESCENCE

FB-697-O *Hu, C.*, *Ecole Polytechnique Federale de Lausanne (EPFL), Lausanne, Switzerland*
SYNTHESIS OF OXO-BRIDGED DINUCLEAR Pr(IV) COMPLEXES

FB-698-O *Sailer, R.*, *Simon Fraser University, British Columbia, Canada*
RARE EARTH METALLOPHTHALOCYANINES WITH STRONG PREFERENCE TOWARDS LIGAND PROTONATION

Symposium 0: Hall 2+4: Bioinspired Oxidation Catalysis with Iron Complexes-2

Chairs: Thorsten Glaser

CB-701-K *Dey, A.*, *Indian Association for the Cultivation of Science, Kolkata, India*
BIO-INSPIRED CHEMISTRY ON ELECTRODES: METHODS TO FUNCTIONAL MODELLING

CB-702-I *Ray, K.*, *Humboldt Universität zu Berlin, Berlin, Germany*
SMALL MOLECULE ACTIVATION AT TRANSITION METAL CENTERS: STRUCTURE-FUNCTION CORRELATIONS

CB-703-O *Bagh, B.*, *National Institute of Science Education and Research (NISER), Odisha, India*
BASE METAL CATALYZED CHEMODIVERGENT OXIDATION OF LIGNIN-DERIVED VANILLYL ALCOHOL

CB-704-O *Comba, P.*, *University of Heidelberg, Heidelberg, Germany*
BIO-INSPIRED NONHEME IRON OXYGEN ACTIVATION WITH BISPIDINES

CB-705-I *Company, A.*, *Universitat de Girona, Girona, Spain*
SYNTHESIS AND REACTIVITY OF HIGH-VALENT OXOIRON SPECIES RELEVANT IN BIOLOGY AND CATALYSIS

CB-706-O *de Bruin, B.*, *University of Amsterdam, Amsterdam, The Netherlands*
LIGHT-TRGGERED PAINT CURING WITH LATENT IRON CATALYSTS

CB-707-O *Smith, L.*, *Uppsala University, Uppsala, Sweden*
DETERMINING THE CAUSE OF THE LOW QUANTUM YIELD OF A μ-OXO IRON BISPORPHYRIN PHOTOCATALYST WITH TIME-RESOLVED X-RAY SPECTROSCOPIES

CB-708-I *Limberg, Ch.*, *Humboldt Universität zu Berlin, Berlin, Germany*
MODELLING THE CYSTEINE/CYSTEAMINE DIOXYGENASES

Symposium 1: Hall 1: Light-driven Processes as Targets in Potential Therapeutics

Chairs: Sylvia Draper, Andrea Erxleben

BM-711-K *Draper, S.*, *Trinity College Dublin, Dublin, Ireland*
COORDINATION COMPLEXES FOR PDT: MODULAR DESIGNS AND METAL DEPENDENCIES

BM-712-I *Toyoda, R.*, *Tohuku University, Japan*
PHOTOCONTROLLED MOLECULAR MACHINES FOR APPLICATIONS IN MOLECULAR BIOLOGY AND MATERIALS

BM-713-O *Acharya, S.*, *The Hebrew University of Jerusalem, Jerusalem, Israel*
MULTI-ACTION Pt(IV) PRODRUGS CONJUGATED WITH TYROSINE KINASE INHIBITORS FOR COMBINED CHEMOTHERAPY, PHOTODYNAMIC THERAPY, AND IMMUNOGENIC CELL DEATH

BM-714-O *Fodor, J.*, *Trinity College Dublin, Dublin, Ireland*
REDOX AND LIGHT ACTIVATED Ir(III) AND Ru(II) COMPLEXES WITH MULTIMODAL ANTICANCER PROPERTIES

BM-715-I *Sanchis-Gual, R.*, *Universitat de València, Paterna, Spain*
YOLK@SHELL NANOPARTICLES BASED ON GOLD AND PRUSSIAN BLUE ANALOGUES FOR CONTROLLED DRUG DELIVERY

BM-716-O *Chatterjee, P.*, *Indian Institute of Technology Kanpur, Uttar Pradesh, India*
PHOTO RESPONSIVE Ru(II) ISOMERIC SWITCHES IN SOLUTION: LEVERAGING ASYMMETRY IN LIGAND DESIGN FOR PRECISION IN PHOTOACTIVATED CHEMOTHERAPY

BM-717-O *Tessarolo, J.*, *Chonnam National University, Gwangju, South Korea*
ACHIEVING CHIROPTICAL PROPERTIES IN COORDINATION-DRIVEN HELICATES AND HETEROLEPTIC CAGES

BM-718-I *Hirahara, M.*, *Osaka Institute of Technology, Osaka, Japan*
PHOTOCHEMICAL AND REDOX-CONTROLLED ON-OFF SWITHCNG IN RUTHENIUM AQUA/AMINE COMPLEXES

Symposium 2: K2: MRI and PET Diagnostic and Theranostic Applications
Chairs: Gyula Tircsó, Janet Morrow

BM-721-K *Toth, E.*, *Universitè d'Orléans, Orléans, France*
MANGANESE AND IRON COMPLEXES FOR MRI APPLICATIONS

BM-722-I *Ma, M.*, *King's College London, UK*
MASS SPECTROMETRIC IMAGING AND QUANTITATIVE ANALYSIS OF THE *IN VIVO* BIODISTRIBUTION OF TRASTUZUMAB USING A RHODIUM(III) SARCOPHAGINE COMPLEX

BM-723-O *Marchetti, L.A.*, *Université Grenoble Alpes, Grenoble, France*
ZINC-RESPONSIVE BIOINSPIRED MAGNETIC RESONANCE IMAGING CONTRAST AGENTS

BM-724-O *Hadley, K.*, *University of Birmingham, Birmingham, UK*
COVALENT CROSS-LINKING STABILIZES AND ENHANCES LANTHANIDE BINDING IN METALLO-COILED COILS

BM-725-I *Mukherjee, C.*, *Indian Institute of Technology Guwahati, Assam, India*
CONTRAST AGENTS INFLUENCED MAGNETIC RESONANCE IMAGES FOR DIAGNOSIS

BM-726-O *Tei, L.*, *Università del Piemonte Orientale, Alessandria, Italy*
DEVELOPMENT OF A ^{103}Pd/^{103m}Rh-BIOCONJUGATE FOR AUGER-TARGETED RADIONUCLIDE THERAPY

BM-727-O *Ranga, M.*, *Bracco Imaging SpA, Trieste, Italy*
ENHANCING IN VIVO STABILITY OF [52Mn]Mn(II) MACROCYCLIC COMPLEXES FOR PET APPLICATION

BM-728-I *Stasiuk, G.*, *King's College London, London, UK*
DEVELOPMENT OF BIFUNCTIONAL SHIFT-BASE LIGANDS FOR Mn(II) MULTIMERIC MRI AGENTS

Symposium 3: K3: Metal-Modified Nucleic Acids
Chairs: Morten Jannik Bjerrum, Peter Waaben Thulstrup

BM-731-K *Müller, J.*, *University of Münster, Münster, Germany*
METAL-BASED LUMINESCENCE IN METAL-MODIFIED DNA

BM-732-I *Galindo, M.A.*, *Universidad de Granada, Granada, Spain*
PROGRAMMABLE Pd^{II}-DNA ASSEMBLIES: FROM MOLECULAR RECOGNITION TO CONDUCTIVE HYBRID MATERIALS

BM-733-O *Miquel Fosco, P.*, *Lancaster University, Lancaster, UK*
cis,fac-$[Ru(bpq)_2]^{2+}$ DERIVATIVES FOR THE SWITCH ON PHOSPHORESCENT FOR THE DETECTION OF i-MOTIF DNA

BM-734-O *Gill, M.*, *Swansea Univeristy, Swansea, UK*
EXPLOITING SYNERGY BETWEEN RUTHENIUM(II) METALLO-INTERCALATORS AND PARP INHIBITORS FOR CANCER THERAPY

BM-735-I *Shah, P.*, *Roskilde University, Roskilde, Denmark*
DYNAMIC DNA–SILVER NANOCLUSTER INTERACTIONS FOR RESPONSIVE BIOSENSING AND IMAGING

BM-736-O *Stjärnhage, J.*, *University of Auckland, Auckland, New Zealand*
NAPHTHALIMIDE-APPENDED PIANO-STOOL METAL COMPLEXES: BRIDGING MOLECULAR DESIGN AND BIOLOGICAL ACTIVITY

BM-737-O *Nowakowska, M.*, *University of the Witwatersrand, Johannesburg, South Africa*
INTEGRATING COORDINATION CHEMISTRY AND BIOMOLECULAR BINDING INSIGHTS FOR NEXT-GENERATION METALLODRUGS AGAINST CANCER AND AMR

BM-738-I *Kellett, A.*, *Dublin City University, Dublin, Ireland*
DIRECTING METALLODRUGS WITH TRIPLEX-FORMING OLIGONUCLEOTIDES

Symposium 4: K4: New Directions in Organometallic Chemistry
Chairs: Anders Reinholdt, Ebbe Nordlander

CB-741-K *Brooker, S.*, *University of Otago, Dunedin, New Zealand*
CATALYSTS FOR H_2 PRODUCTION AND CO_2 REDUCTION

CB-742-I *Wärnmark, K.*, *Lund University, Lund, Sweden*
DECARBOXYLATIVE GIESE ADDITION AND C-S BOND FORMATION BY IRON-BASED PHOTOREDOXCATALYSIS

CB-743-O *Yamada, T.*, *The University of Tokyo, Tokyo, Japan*
ELECTRIC POWER GENERATION BY THE CONCENTRATION GRADIENT OF CO_2 USING COPPER ETHYLENEDIAMINE

CB-744-O *Chavez, F.*, *Oakland University, Michigan, USA*
STRUCTURAL REDOX TUNING IN COPPER(II) TETRAIMIDAZOLE COMPLEXES

CB-745-I *Choudhury, J.*, *Indian Institute of Science Education and Research Bhopal, Bhopal, India*
CONSTRUCTING HYDRIDE-TRANSFER CATALYSTS TOWARD CO_2 RECYCLING

CB-746-O *Young, R.*, *University of Queensland, Brisbane, Australia*
GENERATION AND REACTIVITY OF GROUP 8 AND 9 $PC_{carbene}P$ PINCER COMPLEXES

CB-747-O *Hizbullah, L.*, *Lund University, Lund, Sweden*
SYNTHESIS AND BIOACTIVITY STUDY OF Ru, Rh, AND Ir COMPLEXES OF CF_3-SUBSTITUTED QUINOLINE BASED LIGANDS FOR POTENTIAL ANTI-PLASMODIAL

CB-748-I *Ojwach, S.*, *University of KwaZulu-Natal, Pietermaritzburg, South Africa*
STRUCTURAL, KINETICS, AND MECHANISTIC STUDIES OF TRANSFER HYDROGENATION OF KETONES CATALYZED BY CARBOXAMIDE ORGANO-RUTHENIUM COMPLEXES

Symposium 5: Room 200: Triggered Assembly of Functional Coordination Complexes
Chairs: Takafumi Kitazawa, Sayaka Uchida

ND-751-K *Molnar, G.*, *University of Toulouse, Toulouse, France*
PRESSURE-INDUCED UNEXPECTED STABILIZATION OF THE HIGH-SPIN STATE OF IRON(II) IN A METAL−ORGANIC FRAMEWORK

ND-752-I *Gaspar, A.B.*, *University of Valencia, Valencia, Spain*
ENCODING FUNCTION IN COORDINATION FRAMEWORKS THROUGH MOLECULAR INCLUSION

ND-753-O *Chorazy, S.*, *Jagiellonian University, Kraków, Poland*
LUMINESCENT THERMOMETER BASED ON FERROELECTRIC CRYSTALS INCORPORATING DICYANIDOPLATINATE(II) IONS

ND-754-O *Aguilà, D.*, *University of Barcelona, Barcelona, Spain*
A SUPRAMOLECULAR TETRAHEDRAL CAGE AS A VERSATILE PLATFORM FOR MULTIFUNCTIONAL MATERIALS

ND-755-I *Uchida, S.*, *The University of Tokyo, Tokyo, Japan*
METAL-OXO CLUSTER-BASED ASSEMBLIES AS PLATFORMS FOR FUNCTIONAL SOLID-STATE MATERIALS

ND-756-O *Kitazawa, T.*, *Toho University, Chiba, Japan*
TRIGGERED ASSEMBLING FUNCTIONAL SOMA-IWAMOTO-TYPE SPIN CROSSOVER SUPRAMOLECULE COMPOUNDS

ND-757-O *Ohtani, R.*, *Kyushu University, Fukuoka, Japan*
FERROELECTRIC ION CONDUCTORS BASED ON METAL-CYANIDO COMPLEXES

ND-758-I *Kosone, T.*, *Tokyo Denki University, Japan*
STUDY OF LIGAND EXCHANGE REACTION FOR HOFMANN-LIKE STRUCTURE FROM AQUA COMPLEX $Fe(H_2O)_2[Ni(CN)_2]_2 \bullet G$

Symposium 6: Room 207: Modelling of Metal-Organic Frameworks

Chairs: Mårten Ahlquist, Per Siegbahn

MM-761-K *Kulik, H.*, *Massachusetts Institute of Technology, Cambridge, USA*
ACCELERATING THE DISCOVERY OF STABLE METAL-ORGANIC FRAMEWORKS WITH MACHINE LEARNING

MM-762-I *Taddei, M.*, *University of Pisa, Pisa, Italy*
SQUARATE-BASED ISORETICULAR ANALOGUE OF CALF-20: THE MOF THAT SHOULD NOT BE

MM-763-O *Pal, T.*, *Max Planck Institute for Solid State Research, Stuttgart, Germany*
UNDERSTANDING LOCAL STRUCTURE IN ORIENTED 2D COF THIN FILMS

MM-764-O *Pantazis, D.*, *Max Planck Institute for Coal Research, Mülheim an der Ruhr, Germany*
SPIN-STATE ENERGETICS IN COBALT DIOXOLENE COMPLEXES: CURRENT PERSPECTIVES FROM ELECTRONIC STRUCTURE THEORY

MM-765-I *Wolny, J.A.*, *RPTU Kaiserslautern-Landau, Germany*
DFT MODELLING OF SHORT-RANGE AND LONG-RANGE ELASTIC INTERACTIONS IN SPIN CROSSOVER COMPLEXES

MM-766-O *Li, C.*, *KTH Royal Institute of Technology, Stockholm, Sweden*
MOFBUILDER: AUTOMATED END-TO-END MODELING OF MOF DYNAMICS FOR HIGH-THROUGHPUT SCREENING

MM-767-O *Tamhankar, A.*, *Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany*
COUPLED SECOND SPHERE RESIDUES BOOST H_2O_2 PRODUCTION IN LYTIC POLYSACCHARIDE MONOOXYGENASES: A COMPUTATIONAL STUDY IN AN AA11 LPMO

MM-768-I *Suzuki, H.*, *The University of Tokyo, Tokyo, Japan*
METAL−ORGANIC FRAMEWORK NANOPORES IDENTIFY SINGLE MONOMER MUTATION ON SYNTHETIC POLYMER CHAIN

Symposium 7: Room 107: MOFs for Analysis and Analysis for MOF

Chairs: Nobuhiko Hosono, Kenji Okada

SM-771-K *Brown, C.*, *National Institute of Standards and Technology, Gaithersburg, USA*
INSIGHTS INTO ADSORPTION IN MOF MATERIALS THROUGH IN SITU SCATTERING TECHNIQUES

SM-772-I *Cheung, O.*, *Uppsala University, Uppsala, Sweden*
MATERIALS PREPARATION INFORMATION FILE (MPIF): A COMMUNITY-DRIVEN STANDARD FOR REPORTING MOF SYNTHESIS

SM-773-O *Hosono, N.*, *The University of Tokyo, Tokyo, Japan*
EXPANDING POLYMER ANALYSIS AND SEPARATION TECHNOLOGIES THROUGH MOF COLUMN CHROMATOGRAPHY

SM-774-O *Baba, T.*, *Institute of Science Tokyo, Tokyo, Japan*
COMPREHENSIVE ELUCIDATION OF TRACE IVERMECTIN IMPURITIES INSIDE A METAL–ORGANIC FRAMEWORK

SM-775-I *Bracco, S.*, *University of Milano-Bicocca, Milan, Italy*
DYNAMICS AND GAS DETECTION IN MOFs BY SOLID STATE NMR

SM-776-O *Roztocki, K.*, *Adam Mickiewicz University, Poznan, Poland*
THE IMPACT OF A SINGLE ATOM ON MOF FLEXIBILITY

SM-777-O *Supper, M.*, *The University of Tokyo, Tokyo, Japan*
NU-1000 AS A HIGH-EFFICIENCY HPLC STATIONARY PHASE

SM-778-I *Ameloot, R.*, *Katholieke Universitei Leuven, Leuven, Belgium*
THE NEED FOR SPEED IN ADSORBENT EVALUATION: RAPID MEASUREMENTS OF MULTICOMPONENT ISOTHERMS & KINETICS

Symposium 8: Room 105+106: Advanced x-ray, Diffraction, and Ultrafast Optical Methods-3

Chairs: Elisa Biasin, Serena DeBeer

MM-781-K *Wernet, P.*, *Uppsala University, Uppsala, Sweden*
TRACKING THE ACTIVATION OF C–H BONDS WITH ULTRAFAST X-RAY SPECTROSCOPY

MM-782-I *Møller, K.B.*, *Technical University of Denmark, Lyngby, Denmark*
ULTRAFAST BEHAVIOUR OF TRASITION-METAL COMPLEXES: ELECTRONIC RELAXATION AND STRUCTURAL DYNAMICS

MM-783-O *Sharma, P.*, *Australian National University, Canberra, Australia*
MULTIPHOTON ABSORPTION STUDIES OF RUTHENIUM ALKYNYL CRUCIFORM COMPOUNDS

MM-784-O *Biasin, E.*, *Pacific Northwest National Laboratory, Washington, USA*
ULTRAFAST X-RAY STUDIES OF EXCITED-STATE DYNAMICS AND SOLVENT HYDROGEN-BONDING IN COORDINATION COMPOUNDS

MM-785-I *Oppermann, M.*, *University of Basel, Basel, Switzerland*
LIGHT EMISSION WITH A TWIST: RESOLVING CHIRAL EXCITED-STATE DYNAMICS IN LANTHANIDE COMPLEXES WITH CIRCULARLY POLARIZED LUMINESCENCE

MM-786-O *Cordones-Hahn, A.*, *SLAC National Accelerator Laboratory, Menlo Park, USA*
IMPACT OF STRONG METAL-LIGAND COVALENCY ON THE NATURE OF LIGAND FIELD EXCITED STATES REVEALED USING X-RAY SPECTROSCOPY (please note that this submission is actually for an oral presentation, as discussed with conference organizers)

MM-787-O *van der Veen, R.*, *Helmholtz Center Berlin for Materials and Energy, Berlin, Germany*
ULTRAFAST EXCITED-STATE DYNAMICS OF METAL COMPLEXES IN SOLUTION REVEALED BY SOFT AND HARD X-RAY SPECTROCOPIES

MM-788-I *Larsen, Ch.*, *University of Auckland, Auckland, New Zealand*
LIGAND-FIELD SPECTROSCOPY OF COORDINATION COMPLEX PHOTOSENSITISERS USING RESONANT INELASTIC X-RAY SCATTERING

Symposium 9: Room B+C+D: Contemporary Molecular Magnetism

Chairs: Mauro Perfetti, Dawid Pinkowicz

FB-791-K *Pinkowicz, D.*, *Jagiellonian University, Kraków, Poland*
PHOTOMAGNETISM OF HEAVY CYANOMETALLATES: LIESST EFFECT VS CYANIDE PHOTODISSOCIATION

FB-792-I *Qi, Z.*, *University of Manchester, Manchester, UK*
ACCESSING THE NON-AUFBAU ELECTRON CONFIGURATIONS OF LOW-VALENT LANTHANIDE MOLECULES WITH RESONANT INELASTIC X-RAY SCATTERING

FB-793-O *Hoffman, A.*, *Jagiellonian University, Kraków, Poland*
EUROPIUM(III) DILUTION OF ERBIUM(III) AND YTTERBIUM(III) MOLECULAR NANOMAGNETS: A ROUTE TO IMPROVING MAGNETIC FEATURES AND CREATING A LINK WITH OPTICAL THERMOMETRY

FB-794-O *Pointillart, F.*, *Université de Rennes, Rennes, France*
MAGNETO-CHIRAL DICHROISM IN ONE DIMENSIONAL ASSEMBLIES OF YTTERBIUM SINGLE-MOLECULE MAGNETS

FB-795-I *Briganti, M.*, *University of Florence, Florence, Italy*
SPIN-ELECTRIC EFFECT IN MOLECULAR SYSTEMS: FROM LANTHANIDE COMPLEXES TO SURFACE-ADSORBED NANOSTRUCTURES

FB-796-O *Moilanen, J.O.*, *University of Jyväskylä, Jyväskylä, Finland*
OPTICAL AND MAGNETIC PROPERTIES OF HETEROLEPTIC LANTHANIDE METALLOCENE TETRAPHENYLBORATES

FB-797-O *Serrano-Guarinos, J.*, *University of Barcelona, Barcelona, Spain*
SPIN DYNAMICS OF A MOLECULAR CERIUM QUBIT

FB-798-I *Dunstan, M.A.*, *The University of Edinburgh, Edinburgh, UK*
PERSISTENT COMPENSATED FERRIMAGNETISM IN A CHROMIUM-ORGANIC FRAMEWORK

Poster with Flash Talk

ES-840-F *Satish, G.*, *University of York, York, UK*
GETTING THE GOLD IN: ONE-POT TRANSMETALLATION MEDIATED BY PALLADIUM(II) COMPLEXES

ES-841-F *Getty, C.*, *University of Wisconsin-Madison, Madison, United States*
ELECTRONICALLY-TUNABLE DIRUTHENIUM ELECTROCATALYSTS FOR THE AMMONIA OXIDATION REACTION

ES-842-F *Lenzi, C.*, *University of Bologna, Bologna, Italy*
HOMOGENEOUS BIOETHANOL HOMOLOGATION: A MULTI-SCALE STUDY FROM MICROWAVE SYSTEM TO AUTOCLAVE SCALE-UP

ES-843-F *Sanchez, R.*, *The University of Nottingham, Nottingham, United Kingdom*
SYNTHESIS AND CHARACTERISATION OF COBALT-BASED HETEROLEPTIC POLYPYRIDYL PINCER COMPLEXES

ES-844-F *Townrow, O.*, *Karlsruhe Institute of Technology, Karlsruhe, Germany*
STABLE SINGLE-ION SOURCES OF IRON(I)

MG-845-F *Xu, S.*, *Soochow University, Suzhou, P.R. China*
SYNTHESIS AND REACTIVITY OF ZINC RADICALS

MG-846-F *Swarbrook, A.*, *University of Oxford, Oxford, UK*
THE SYNTHESIS AND REACTIVITY OF BORAZINE TOWARDS MAIN GROUP COMPOUNDS

ES-847-F *Ruer, P.C.*, *TU Dortmund University, Dortmund, Germany*
INVESTIGATIONS INTO MOLECULAR COPPER(I) PHOSPHIDO COMPLEXES

MG-848-F *Watson, A.*, *University of York, York, UK*
METHYL, ETHYL, PROPYL: SIDE-CHAIN ELONGATION IN POLYAMINOBORANES THROUGH MECHANISM-LED CATALYST DESIGN

MG-849-F *Basak, H.*, *Indian Institute of Technology Dehli, New Dehli, India*
ENHANCING THE VALENCE BAND CHARGE LOCALIZATION VIA ZINC DOPING INTO $MnWO_4$ TO PROMOTE SELECTIVE AMMONIA ELECTROOXIDATION

ND-850-F *Kambe, T.*, *University of Tsukuba, Tsukuba, Japan*
ASSEMBLY OF BOROPHENE-ANALOGOUS LAYERED MATERIALS FOR EMERGENT ELECTRONIC AND IONIC FUNCTIONS

MG-851-F *Babula, D.*, *University of Bath, Bath, UK*
FROM METALS TO REDUCTANTS: MECHANOCHEMICAL ROUTES TO REACTIVE MAGNESIUM REAGENTS

MG-852-F *Schubert, E.*, *Technical University of Munich, Garching, Germany*
MODULAR MONO – AND BIMETALLIC Ni COMPLEXATION AT Ge^{II} INTERFACES

MG-853-F *Zhang, H.*, *University of Birmingham, Birmingham, United Kingdom*
A SODIUM ANION COMPLEX: GRAMME-SCALE SYNTHESIS, STRUCTURE, REACTIVITY

MG-854-F *Scorzoni, G.*, *University of Bologna, Bologna, Italy*
REACTIVITY OF HOMOLEPTIC PENTACOORDINATED Ga(I)-AMIDE COMPLEXES OF Fe IN THE PRESENCE OF AlCp*

CB-855-F *McGettigan, D.*, *University of York, York, UK*
DIRECT ONE SCAN OBSERVATION OF ^{103}Rh NMR SPECTRA IN ALKYL PHOSPHINE COMPLEXES VIA PARAHYDROGEN-INDUCED POLARIZATION

CB-856-F *Ligielli, I.*, *National and Kapodistrian University of Athens, Athens, Greece*
FUNCTIONALIZED CAACS BEARING 3d METALS (Cu, Fe, Co) SYNTHESIS, CHARACTERIZATION AND CATALYTIC STUDIES

CB-857-F *Mello, L.*, *Lund University, Lund, Sweden*
PALLADIUM COMPLEXES WITH β-BLOCKED $POC^{sp^3}OP$ LIGANDS: THE (FAILED) QUEST FOR POCOP-Pd CARBENE COMPLEXES

CB-858-F *Uzelac, M.*, *University of Bath, Bath, UK*
SYNTHESIS AND STRUCTURAL CHARACTERISATION OF MANGANESE DIISOPROPYLAMIDE COMPLEXES

CB-859-F *Richstein, R.*, *University of Vienna, Vienna, Austria*
ROBUST ONE-STEP FORMATION OF NHC@AuNP THROUGH COUNTERION-DEPENDENT MILD BASE ACTIVATION

CB-860-F *Balakrishnan Syamala, A.*, *Okinawa Institute of Science and Technology (OIST), Okinawa, Japan*
ISOLATION OF A 17-ELECTRON $FeCp(CO)_2$ DERIVATIVE

CB-861-F *Umakoshi, A.*, *Hiroshima University, Japan*
CATALYSIS OF A BRØNSTED SUPERACIDIC OXO–HYDROXO ALUMINA CLUSTER IN WEAKLY POLAR APROTIC SOLVENTS

CB-862-F *Kerscher, B.*, *Technical University of Munich, Munich, Germany*
MASS SPECTROMETRIC ANALYSIS OF ELUSIVE BIMETALLIC COPPER-ALUMINUM CLUSTERS BY CHEMICAL LABELLING

CB-863-F *Toullec, C.*, *Université Claude Bernard Lyon 1, Villeurbanne, France*
NEW CATALYTIC PATHWAYS FOR CARBENE INSERTION INTO Si-H AND S-H BONDS CATALYZED BY PHTHALOCYANINE COMPLEXES

CB-864-F *Damiano, C.*, *University of Milan, Milan, Italy*
IMMOBILIZED METAL PORPHYRINS AS RECYCLABLE CATALYSTS FOR ON-WATER CARBENE TRANSFER REACTIONS

BM-865-F *Baranova, Z.*, *Xavier University of Louisiana, New Orleans, USA*
IMPORTANCE OF INTRAMOLECULAR HYDROGEN BONDING FOR THE MOLECULAR GEOMETRY OF OXOVANADIUM COMPLEXES WITH PYRAZOLES

BM-866-F *Hofmann, B.J.*, *University of Warwick, Coventry, UK*
COPPER(II) PICOLINAMIDE COMPOUNDS WITH HIGH SELECTIVITY TOWARDS OSTEOSARCOMA

BM-867-F *Gencheva, G.*, *Sofia University "St. Kliment Ohridski", Sofia, Bulgaria*
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DOES CHIRALITY MATTER? DISENTANGLING SYMMETRY AND PACKING EFFECTS IN Fe(II) COMPLEXES

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DODECAVANADATE COORDINATED TO LANTHANIDE IONS. A NEW FAMILY OF MIXED-VALENCE POLYOXOVANADATES

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ND-1620-P ***Im, H.***, *Korea Advanced Institute of Science and Technology, Daejeon, Republic of Korea*
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^{17}O-ENRICHED POLYOXOVANADATES REVEAL OXYGEN SITE DYNAMICS VIA ^{17}O NMR SPECTROSCOPY

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ND-1635-P ***Punbyo, N.***, *University of Warwick, Warwick, UK*
SYNTHESIS AND CHARACTERISATION OF LANTHANIDE DOPED NANOSCALE Ce-oxo CLUSTERS

ND-1636-P ***Silberg, R.S.***, *University of Copenhagen, Copenhagen, Denmark*
SIGNATURES OF METAL IONS AND POLYOXOMETALATES IN SOLUTION WITH PAIR DISTRIBUTION FUNCTION

ND-1638-P ***Shoji, R.***, *Tohoku University, Sendai, Japan*
DIPYRRIN-BASED PHOTOFUNCTIONAL COORDINATION ARCHITECTURES FOR LIGHT HARVESTING

ND-1639-P ***Wolff, S.***, *Humboldt Universität zu Berlin, Berlin, Germany*
CONTRASTING MAGNESIUM AND MANGANESE IN N_2 AND BENZENE ACTIVATION

ND-1640-P ***Edin, S.***, *Lund University, Lund, Sweden*
UNLEASHING PHOSPORUS MONONITRIDE

ND-1641-P ***Yoshida, T.***, *Wakayama University, Wakayama, Japan*
HYDROGEN BONDING PROPAGATED PHASE SEPARATION IN QUASI-EPITAXIAL SINGLE CRYSTALS: A Pd–Br MOLECULAR INSULATOR WITH ENANTIOMERIC AND RACEMIC LIGAND

ND-1642-P ***Koyama, Y.***, *Chuo University, Tokyo, Japan*
VALENCE TAUTOMERIC COMPLEXES RESPONSIVE TO MULTIPLE EXTERNAL STIMULI AND THE SOLUTION ENVIRONMENT

ND-1643-P ***Fan, Z.***, *Technische Universität Dortmund, Dortmund, Germany*
ZINC HALIDE FLUX-ASSISTED VITRIFICATION OF METAL-ORGANIC FRAMEWORKS ENABLES CHEMICAL DIVERSIFICATION AND TUNABLE GAS SORPTION

SM-1701-P ***Clutterbuck, K.***, *The University of Sydney, Darlington, Australia*
DUAL-RESPONSIVE CHIROPTICAL PROPERTIES IN A COFACIAL TTF-BASED METAL-ORGANIC FRAMEWORK

SM-1702-P ***Lee, A.***, *University of Calgary, Calgary, Canada*
SUPRAMOLECULAR CHEMISTRY IN THE 3D CHANNELS OF MOLECULAR COMPLEXES WITH TETRAPHOSPHINE LIGANDS

SM-1703-P ***Blyth, A.E.***, *University of Cambridge, Cambridge, UK*
INVESTIGATING TARGETED CATION ORDERING IN METAL ORGANIC FRAMEWORKS BUILT FROM INERT METALLOLIGANDS

SM-1704-P ***Tasiopoulos, A.***, *University of Cyprus, Nicosia, Cyprus*
TEMPLATED SYNTHESIS OF A Zr-FORMATE ZEOLITE - LIKE METAL ORGANIC FRAMEWORK

SM-1705-P ***Peuronen, A.***, *University of Turku, Turku, Finland*
O_2 CAUGHT IN AN IRON-PORPHYRIN MOF

SM-1706-P ***Raveendranathan, A.***, *Karlsruhe Institute of Technology, Karlsruhe, Germany*
METALLOGEL-MEDIATED CRYSTAL GROWTH OF A Cu(II)-Ho(III) HETEROMETALLIC METAL-ORGANIC FRAMEWORK WITH UNUSUAL NODE DISORDERS

SM-1707-P ***Ghosh, A.***, *Indian Institute of Technology Madras, Chennai, India*
TEMPLATE INDUCED ORIENTATIONAL SELECTIVITY OF LIGANDS IN A DOUBLE CAVITY COORDINATION CAGE

SM-1708-P ***Pritchard, C.***, *University of Warwick, Coventry, UK*
COORDINATION CAGES AS SCAFFOLDS FOR MONODISPERSE MULTI-GLYCAN ARRAYS FOR LECTIN BINDING

SM-1709-P ***Patlolla, C.K.***, *Chalmers University of Technology, Gothenburg, Sweden*
EXPLORING MOF-GELS FOR TRACE PFAS REMOVAL FROM WATER

SM-1710-P ***Jain, C.***, *The University of Osaka, Osaka, Japan*
A NOVEL PENTANUCLEAR IRON-BASED COVALENT ORGANIC FRAMEWORK ENABLING ANION-REGULATED ELECTROCHEMICAL CO_2 REDUCTION

SM-1711-P ***Mucignato, Ch.***, *University of Trieste, Trieste, Italy*
UNLOCKING A NEW GEOMETRY IN PORPHYRIN METALLACYCLES

SM-1712-P ***Rodríguez Boscà, Ch.***, *Universidad de Valencia, Valencia, Spain*
LIGHT CONTROLLED SOLUBILITY ON HETEROLEPTIC METAL-ORGANIC CAGES

SM-1713-P ***John, D.***, *Indian Institute of Technology Madras, Chennai, India*
LIGAND ISOMERISM IN ENDOHEDRALLY LOW-SYMMETRY DISCRETE COORDINATION CAGES AND THEIR DIFFERENTIAL SWITCHING MODES

SM-1714-P ***Matic, E.***, *Chalmers University of Technology, Gothenburg, Sweden*
SEPARATION AND ISOLATION OF HETEROLEPTIC COORDINATION CAGES VIA PHASE TRANSFER

SM-1715-P ***Larsen, F.T.***, *University of Southern Denmark, Odense, Denmark*
IRON–PORPHYRIN METAL–ORGANIC FRAMEWORKS FOR HETEROGENEOUS OXIDATION CATALYSIS IN WATER REMEDIATION

SM-1716-P ***Ripoll, G.***, *Universidad de Valencia, Valencia, Spain*
BIMETALLIC Pd-Fe MOF FOR C-2 ARYLATION OF INDOLES

SM-1717-P ***Kurz, H.***, *University of Bayreuth, Bayreuth, Germany*
NOVEL DINUCLEAR BUILDING BLOCKS FOR HETEROLEPTIC CAGES

SM-1718-P ***Chen, H.***, *Max-Planck-Institut für Kohleforschung, Mülheim/Ruhr, Germany*
MODELING THz EPR/MAGNETIC IR SPECTROSCOPY INCLUDING SPIN-PHONON COUPLINGS USING AN EXTENDED SPIN HAMILTONIAN

SM-1719-P ***Okubo, H.***, *National Institute for Materials Science (NIMS), Ibaraki, Japan*
SYNTHESIS AND ELECTRONIC PROPERTIES OF Cr-BASED METALLOSUPRAMOLECULAR POLYMERS

SM-1720-P ***Wiśniewska, J.***, *Nicolaus Copernicus University in Toruń, Toruń, Poland*
NOVEL HYBRID MATERIALS BASED ON BIOACTIVE GLASS MODIFIED BY MIL-100 FRAMEWORK: PROPERTIES AND BIOMEDICAL APPLICATIONS

SM-1721-P ***Sundberg, J.***, *Technical University of Denmark, Ballerup, Denmark*
TRACE ADSORPTION OF PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS) USING MULTIVARIATE METAL-ORGANIC FRAMEWORKS

SM-1723-P ***Sotirakopoulos, K.***, *Universitat de Barcelona, Barcelona, Spain*
DRIVING MAGNETIC BEHAVIOUR THROUGH SUPRAMOLECULAR ENCAPSULATION OF COORDINATION COMPLEXES

SM-1725-P ***McKay, L.***, *University of Manchester, Manchester, UK*
EFFECT OF LIGAND METHYLATION ON DIASTEREOISOMERISM OF M_4L_6 TETRAHEDRA

SM-1726-P ***Trivedi, M.U.***, *Chalmers University of Technology, Göteborg, Sweden*
MODULAR TRIAZOLE-BASED MACROCYCLES FOR HALIDE AND METAL ION DETECTION

SM-1727-P ***Boursier, M.***, *University of Amsterdam, Amsterdam, The Netherlands*
Fe-PORPHYRINIC METAL–ORGANIC FRAMEWORKS WITH TUNABLE Fe···Fe DISTANCES FOR C–H ACTIVATION

SM-1728-P ***Gedikoglu, N.***, *Technical University of Denmark, Ballerup, Denmark*
AN AUTOMATED FLUIDIC WORKFLOW FOR REPRODUCIBLE AND SCALABLE FABRICATION OF METAL-ORGANIC-FRAMEWORK-BASED QCM SENSORS

SM-1729-P ***Serrano-Laguna, P.J.***, *University of Huelva, Huelva, Spain*
IN CRYSTALLO AMMONIA UPTAKE IN $CsBAr^F_4$

SM-1730-P ***Seglen, P.S.***, *University of Oslo, Oslo, Norway*
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SM-1731-P ***Velmurugan, P.***, *Indian Institute of Technology Madras, Chennai, India*
REDEFINING THE COORDINATION MODE OF 1,2,4-TRIAZOLYLIDENE: BRIDGING THE GAP BETWEEN MOLECULAR ORGANOMETALLIC CHEMISTRY AND EXTENDED POROUS ARCHITECTURES

SM-1732-P ***Kushwaha, R.***, *University of Cambridge, Cambridge, UK*
STRUCTURAL CHARACTERISATION OF INDIUM(III) THIOCYANATE

SM-1733-P ***Tanaka, S.***, *Konan University, Kobe, Japan*
SYSTEMATIC STUDY OF REVERSIBLE TRANSFORMATION BETWEEN MIL-53 AND MIL-68: EFFECTS OF DEFECT DENSITY AND PARTICLE SIZE

SM-1734-P ***Capomolla, S.***, *University of New South Wales, Sydney, Australia*
CATALYSIS BY A METASTABLE PHOTOSWITCHABLE CAGE

SM-1735-P ***Zimmermann, S.***, *University of Wuppertal, Wuppertal, Germany*
LARGE GOLD AND SILVER RINGS BASED ON BRIDGING NHC LIGANDS

SM-1736-P ***Mondal, S.***, *Chonnam National University, Gwangju, South Korea*
COORDINATION-DRIVEN ASSEMBLY OF β-DIKETONATE HYDRAZONE-BASED CAGES

SM-1737-P ***Baca, S.***, *Moldova State University, Chisinau, Moldova*
TUNING THE DIMENSIONALITY OF COORDINATION POLYMERS BASED ON COBALT(II) CARBOXYLATE DIMERS

SM-1738-P ***Gopalakrishnan, S.***, *Technical University of Denmark, Ballerup, Denmark*
METAL-ORGANIC FRAMEWORK FUNCTIONALIZED SENSOR ARRAYS FOR DISSOLVED GAS SENSING

SM-1739-P ***Amatsu, T.***, *Graduate School of Osaka Institute of Technology, Osaka, Japan*
METAL HYDROGEN-BONDED ORGANIC FRAMEWORKS ASSEMBLED VIA PHOTOINDUCED SELF-ASSEMBLY

SM-1740-P ***Dakua, T.***, *Indian Institute of Technology Madras, Chennai, India*
LINEARLY CONJOINED MULTICAVITY DISCRETE COORDINATION CAGES: MOLECULAR SOYBEANS

SM-1741-P ***Patra, U.***, *University of Southern Denmark, Odense, Denmark*
METAL–ORGANIC FRAMEWORKS FEATURING CLUSTERS OF ZERO-VALENT ATOMS

SM-1742-P ***Paredes-García, V.***, *CEDENNA, Santiago, Chile*
SCHIFF BASE COORDINATION COMPOUNDS WITH *3d* AND *4f* METAL CENTERS. STRUCTURAL DIVERSITY AND FUNCTIONALITY

SM-1743-P ***Qomfo, V.***, *Nelson Mandela University, Gqeberha, South Africa*
LIGAND-DIRECTED SUPRAMOLECULAR ASSEMBLY OF COPPER(II) PADDLEWHEEL COMPLEXES FEATURING PHENACYL-ESTER LIGANDS

SM-1744-P ***Takashima, Y.***, *Konan University, Kobe, Japan*
SYNTHESIS OF Bi_2Te_3 NANOPARTICLES WITH Bi-BASED MOF AS PRECURSOR

A

B

C

D

E

F

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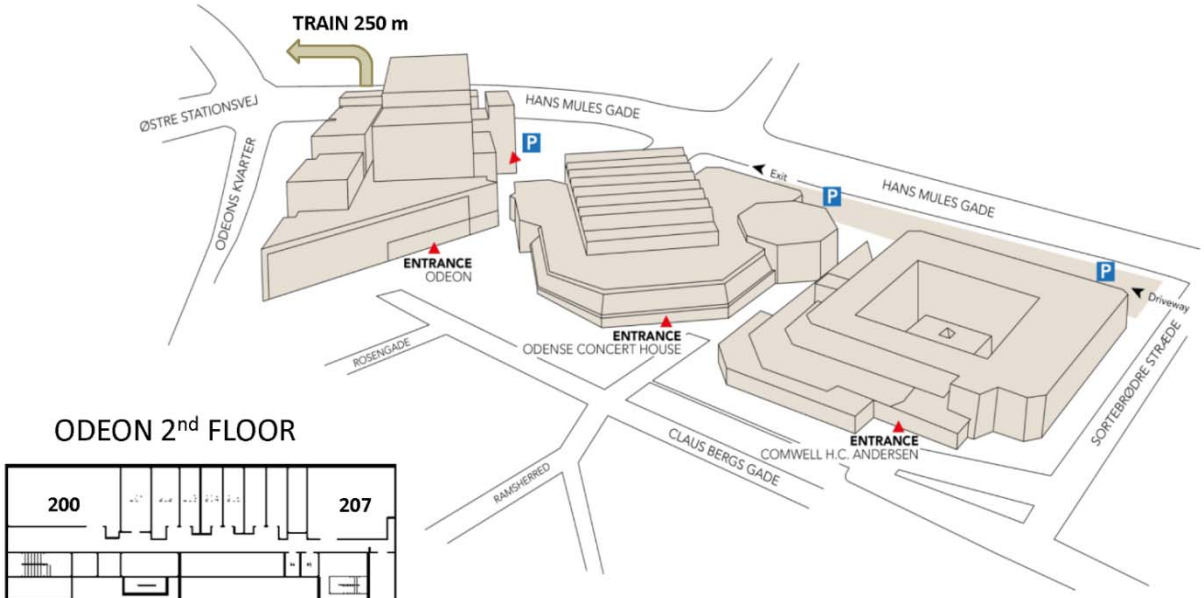
Acknowledgements

Thanks to all that has helped us organise the conference:

Heinz Krebs
Mette Søndergaard
Camilla Kingo Laursen
Jacob Kongsted
Catherine Nguyen
Mikkel Linnemann Johansson
Rasmus Otkjær
Zac Adams

Venue maps (1)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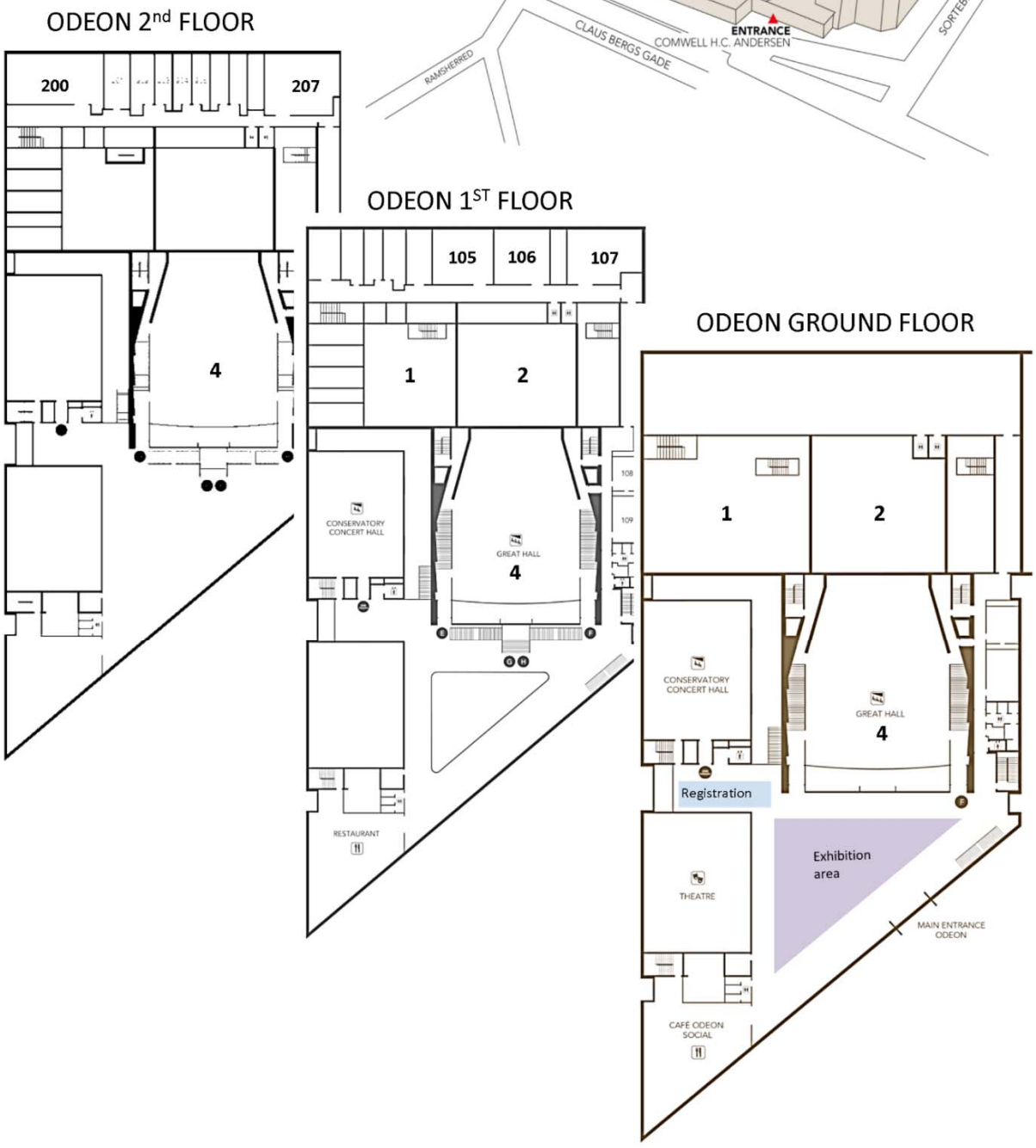
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GREAT HALL
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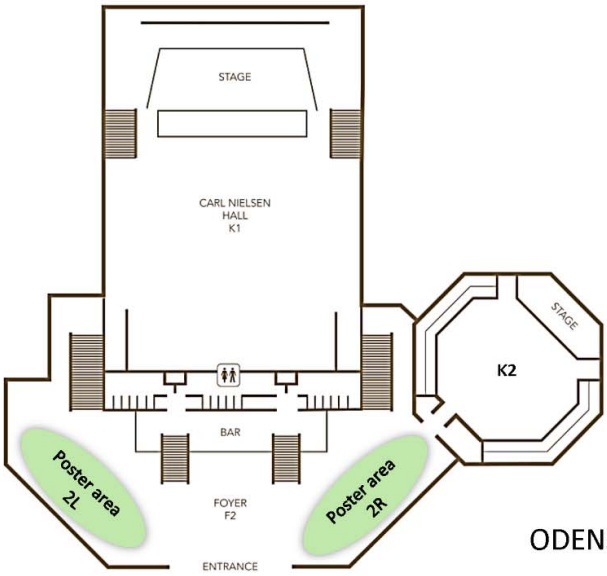
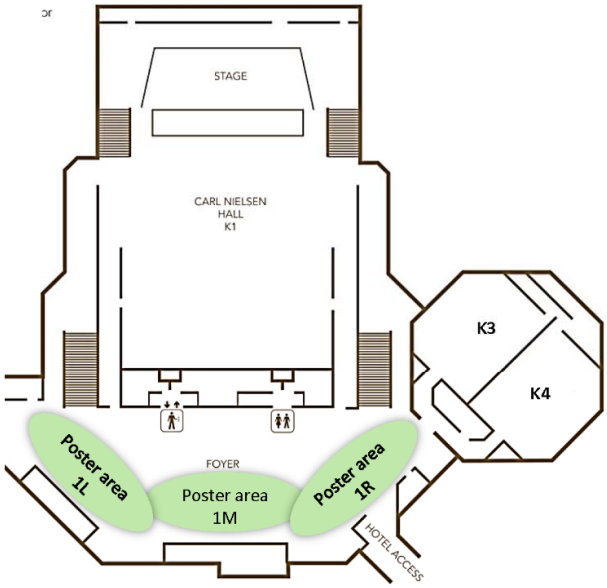
Registration
Exhibition area
THEATRE
MAIN ENTRANCE ODEON
CAFÉ ODEON SOCIAL

Venue maps (2)

ODENSE CONCERT HOUSE
GROUND FLOOR



ODENSE CONCERT HOUSE
LOWER LEVEL



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