

Program

Sep. 4th (Sun.)

Opening Ceremony

18:00-18:10

Special Lecture

Chair: Takeji Takui

18:10-19:10 **SL: Special Lecture**

Magnetism and Topology

Yoshinori Tokura (*Center for Emergent Matter Science, RIKEN and Department of Applied Physics, University of Tokyo*)

Sep. 5th (Mon.)

Session 5PL: Kahn Lecture

Chair: Rodolphe Clerac

8:45-9:30 **5PL: Plenary Lecture**

Oxalate-Bridged Bimetallic Compounds (A)[M_a^{II}M_b^{III}(ox)₃]: New Aspects in Magnetism and Function

Hisashi Okawa (*Professor Emeritus, Kyushu University*)

Session A

Chair: Dominique Luneau

9:30-9:55 **5K1: Keynote Lecture**

Mixed Valence Metal Complexes

Hiroki Oshio (*Faculty of Pure and Applied Sciences, University of Tsukuba*)

9:55-10:15 **5I1: Invited Lecture**

Multifunctional Materials Based on Spin-Crossover Complexes and Magnetic Extended Networks

Miguel Clemente-León (*Instituto de Ciencia Molecular, Universidad de Valencia*)

10:15-10:35 **5I2: Invited Lecture**

Correlation of Spin Crossover and Fluorescence in Dinuclear Complexes

Jun Tao (*College of Chemistry and Chemical Engineering, Xiamen University*)

Session B

Chair: Takashi Kajiwara

10:55-11:20 **5K2: Keynote Lecture**

Adventures in Spin Crossover Phenomena: From Molecules with Memory to Multifunctional Synergy

Jose-Ramon Galan-Mascaros (*Institute of Chemical Research of Catalonia*)

11:20-11:40 **5I3: Invited Lecture**

Spin Crossover Framework Materials

Cameron J. Kepert (*School of Chemistry, University of Sydney*)

11:40-11:55 **5C1: Oral Presentation**

Spin Switching Properties Following Single-Crystal to Single-Crystal Transformations

Guillem Aromí (*Departament de Química Inorgànica, Universitat de Barcelona*)

11:55-12:10 **5C2: Oral Presentation**

Interior Design of Lanthanide-Based Endohedral Metallofullerenes for Single-Molecule Magnetism

Alexey A. Popov (*Leibniz Institute for Solid State and Materials Research-IFW Dresden*)

- 12:10-12:25 **5C3: Oral Presentation**
Graphene Oxide and Reduced Graphene Oxide Hybrids with Spin Crossover Materials
Shinya Hayami (*Department of Chemistry, Kumamoto University*)

Session C

Chair: Yugo Oshima

- 13:25-13:50 **5K3: Keynote Lecture**
Renaissance of Cyanide Chemistry - Lessons Learned from Two Decades of Molecular Magnetism Research 
Kim R. Dunbar (*Department of Chemistry, Texas A&M University*)
- 13:50-14:10 **5I4: Invited Lecture**
Symmetry Strategy Towards High-Performance Single-Molecule Magnets
Ming-Liang Tong (*School of Chemistry and Chemical Engineering, Sun Yat-Sen University*)
- 14:10-14:30 **5I5: Invited Lecture**
The Role of Octacyanidometallate Linkers in Photomagnetic Low Dimensional Systems
Barbara Sieklucka (*Faculty of Chemistry, Jagiellonian University*)
- 14:30-14:45 **5C4: Oral Presentation**
Charge-Transfer Phase Transition of a Cyanide-Bridged Fe^{II}/Fe^{III} Coordination Polymer
Osamu Sato (*Institute for Materials Chemistry and Engineering, Kyushu University*)
- 14:45-15:00 **5C5: Oral Presentation**
Switching Properties in Cyanido-Bridged Fe/Co Pairs Followed by Bulk and Local Techniques
Corine Mathoniere (*CRPP & ICMCB, Bordeaux University*)
- 15:00-15:20 **5I6: Invited Lecture**
A New Method for the Synthesis of Heterospin Complex
Victor Ovcharenko (*International Tomography Center, SB, Russian Academy of Science*)

Session D

Chair: Oliveier Cador

- 15:40-16:05 **5K4: Keynote Lecture**
Nanoscale Structures from Heterometallic Rings
Richard E. P. Winpenny (*School of Chemistry, University of Manchester*)
- 16:05-16:25 **5I7: Invited Lecture**
Ligand Field Variations for Tuning and Enhancing SMM Performance in 3d/4f Coordination Clusters
Annie K. Powell (*Karlsruhe Institute of Technology*)
- 16:25-16:40 **5C6: Oral Presentation**
Crystal Design and Properties of Chiral Magnets
Katsuya Inoue (*Center for Chiral Science, Hiroshima University*)
- 16:40-16:55 **5C7: Oral Presentation**
Visualization of Li⁺ Intercalation/Deintercalation Dynamics in Cobalt Hexacyanoferrate
Yutaka Moritomo (*Center for Integrated Research in Fundamental Science and Engineering, University of Tsukuba*)
- 16:55-17:10 **5C8: Oral Presentation**
Core-Shell Au@Prussian Blue Analogues Nanoparticles
Jouliia Larionova (*Institut Charles Gerhardt Montpellier, Université de Montpellier*)

Session E

Chair: Yasushi Morita

17:30-17:55 **5K5: Keynote Lecture****Time-Resolved Studies of Photoswitching in Copper-Nitroxide Based Molecular Magnets**Matvey V. Fedin (*International Tomography Center, SB, Russian Academy of Science*)17:55-18:10 **5C9: Oral Presentation****Conversion of Nuclear-Spin Isomers of Hydrogen Confined in Porous Magnets**Masaaki Ohba (*Graduate School of Science, Kyushu University*)**Flash Presentation 5FP**

18:10-18:55

Chair: Dawid Pinkowicz

Poster Session 5P

19:00-20:50

Sep. 6th (Tue.)

Session 6PL

Chair: Stephen Hill

8:45-9:30 **6PL: Plenary Lecture****Molecular Quantum Spintronics using Single-Molecule Magnets**Wolfgang Wernsdorfer (*Institut Neel, CNRS*)**Session F**

Chair: Yan Zhen Zheng

9:30-9:55 **6K1: Keynote Lecture****A Multi-Technique Approach for the Investigation of Potential Molecular Spin Qubits**Roberta Sessoli (*Department of Chemistry, University of Florence*)9:55-10:15 **6I1: Invited Lecture****Coherence and Organisation in Lanthanoid Spin Qubits**Alejandro Gaita-Ariño (*ICMol, University of Valencia*)10:15-10:35 **6I2: Invited Lecture****Rotation Magnetocaloric Effect in an Anisotropic Molecular Dimer**Marco Evangelisti (*CSIC, Universidad de Zaragoza*)**Session G**

Chair: Asako Igashira

10:55-11:20 **6K2: Keynote Lecture****New Routes for Organic Spintronics**Christoph Boehme (*Department of Physics & Astronomy, University of Utah*)11:20-11:35 **6C1: Oral Presentation****Graphene-Molecular Magnet Hybrids for Molecular Spintronics: From Single-Molecule Effects to Control of Coherent Spin Currents**Lapo Bogani (*Department of Materials, University of Oxford*)11:35-11:50 **6C2: Oral Presentation****Discussion of Coherent vs. Incoherent Tunneling and its Behavior with Temperature in Molecular Tunneling Junctions**Enrique del Barco (*Department of Physics, University of Central Florida*)

Flash Presentation 6FP

11:50-12:20

Chair: Bingu Wang

Poster Session 6P

18:30-20:50

Sep. 7th (Wed.)

Session 7PL

Chair: Tomoyuki Akutagawa

8:45-9:30

7PL: Plenary Lecture

Gas Separations in Metal-Organic Frameworks

Jeffrey R. Long (*Department of Chemistry, University of California, Berkeley*)

Session H

Chair: Takayoshi Kuroda-Sowa

9:30-9:55

7K1: Keynote Lecture

Metal Semiquinoid Molecules and Solids with Strong Magnetic Exchange Coupling

T. David Harris (*Department of Chemistry, Northwestern University*)

9:55-10:15

7I1: Invited Lecture

Recent Progress in Genuine Organic Coexisting Systems of Magnetism and Conductivity

Michio M. Matsushita (*Department of Chemistry, Nagoya University*)

10:15-10:35

7I2: Invited Lecture

Magnetism of Organic Triangular-Lattice Systems under Controlled Correlation, Disorder and Doping

Kazushi Kanoda (*Department of Applied Physics, University of Tokyo*)

Session I

Chair: Lahcene Ouahab

10:55-11:20

7K2: Keynote Lecture

Probing Giant Magnetic Anisotropies in Mononuclear Single-Molecule Magnets Using Very High-Field EPR

Stephen Hill (*Department of Physics, Florida State University*)

11:20-11:40

7I3: Invited Lecture

Uranium Compounds-Further Insights to Understand Single-Molecule Magnets

Laura C. J. Pereira (*Instituto Superior Técnico, Universidade de Lisboa*)

11:40-11:55

7C1: Oral Presentation

Solution NMR Studies of Single Molecule Magnets

Markus Enders (*Institute of Inorganic Chemistry, University of Heidelberg*)

11:55-12:10

7C2: Oral Presentation

Collapse of Metastable State in a Large S State

Seiji Miyashita (*Graduate School of Science, The University of Tokyo*)

12:10-12:25

7C3: Oral Presentation

Double Exchange in Linear Face-Sharing Pentamers

Thorsten Glaser (*Chemistry Department, Bielefeld University*)

Session J

Chair: Toru Sakai

- 13:25-13:50 **7K3: Keynote Lecture**
Metal Phosphonates with Tunable Magnetic Behaviors
 Li-Min Zheng (*School of Chemistry and Chemical Engineering, Nanjing University*)
- 13:50-14:10 **7I4: Invited Lecture**
Organometallic Single-Ion Magnets
 Song Gao (*College of Chemistry and Molecular Engineering, Peking University*)
- 14:10-14:30 **7I5: Invited Lecture**
New Advances in Lanthanide Single-Molecule Magnets
 Muralee Murugesu (*Department of Chemistry, University of Ottawa*)
- 14:30-14:45 **7C4: Oral Presentation**
Chemical Trend on the Lanthanide-Radical Exchange Coupling
 Takayuki Ishida (*Department of Engineering Science, The Univ. of Electro-Communications*)
- 14:45-15:00 **7C5: Oral Presentation**
One-Dimensional Chains of Endofullerene Nanomagnets
 Rasmus Westerström (*Division of Synchrotron Radiation Research, Lund University*)
- 15:00-15:20 **7I6: Invited Lecture**
Molecular Chain “Magnets”
 Miguel A. Novak (*Institute of Physics, Federal University of Rio de Janeiro*)

Session K

Chair: Eric Collet

- 15:40-16:05 **7K4: Keynote Lecture**
Illuminating Radicals: Recent Adventures in Fluorescent and Photo-Switchable Thiazyl Radicals
 Jeremy M. Rawson (*Department of Chemistry and Biochemistry, The University of Windsor*)
- 16:05-16:25 **7I7: Invited Lecture**
Electronic Transport Phenomenon through Organic Spin-Containing Molecules
 Jaume Veciana (*Institut Ciencia Materials Barcelona*)
- 16:25-16:40 **7C6: Oral Presentation**
K4 Structure Formed by a Triangular π Radical Anion
 Kunio Awaga (*Department of Chemistry & Research Center for Materials Science, Nagoya University*)
- 16:40-16:55 **7C7: Oral Presentation**
Magnetoresistance at Room Temperature in Single-Molecule Porphyrin-Based Devices
 Eliseo Ruiz (*Departament de Química Inorgànica, Universitat de Barcelona*)
- 16:55-17:10 **7C8: Oral Presentation**
Development of Small Sample Calorimetry for Molecular Magnets and Superconductors
 Yasuhiro Nakazawa (*Department of Chemistry, Osaka University*)

Session L

Chair: Kazunobu Sato

- 17:30-17:55 **7K5: Keynote Lecture**
Frontier of Quantum Spin Systems Constructed by Organic Radicals
 Yuko Hosokoshi (*Department of Physical Science, Osaka Prefecture University*)
- 17:55-18:15 **7I8: Invited Lecture**
Photo-Functional Cyanido-Bridged Metal Assemblies
 Shin-ichi Ohkoshi (*Department of Chemistry, The University of Tokyo*)

Flash Presentation 7FP

18:15-19:00

Chair: Hiroyuki Nishikawa

Poster Session 7P

19:00-20:50

Sep. 8th (Thu.)

Session 8PL

Chair: Jurgen Schnack

8:45-9:30

8PL: Plenary Lecture

Electron Spin Resonance of Single Atoms on a Surface

Andreas Heinrich (*Almaden Research Center, IBM*)

Session M

Chair: Albert Escuer

9:30-9:55

8K1: Keynote Lecture

The Chiral Induced Spin Selectivity Effect-Spintronics with No Magnets

Ron Naaman (*Department of Chemical Physics, Weizmann Institute*)

9:55-10:15

8I1: Invited Lecture

Molecular Spintronic Devices

Eugenio Coronado (*Instituto de Ciencia Molecular, Universidad de Valencia*)

10:15-10:35

8I2: Invited Lecture

Molecular Spintronic Devices from Percolated Networks of Fe(II) Spin Transition Compounds

Mario Ruben (*Institute of Nanotechnology, KIT*)

Session N

Chair: Wei Shi

10:55-11:20

8K2: Keynote Lecture

Molecular Spintronics: New Opportunities beyond Conventional Materials

Pierre Seneor (*Unité Mixte de Physique CNRS, Thales & Université de Paris Sud*)

11:20-11:40

8I3: Invited Lecture

Spin Control of Magnetic Molecules with Scanning Tunneling Microscopy

Tadahiro Komeda (*IMRAM, Tohoku University*)

11:40-11:55

8C1: Oral Presentation

ESR Observation of Charge Carriers in Semicrystalline Conducting Polymers in Ionic-Liquid-Gated Transistors

Shin-ichi Kuroda (*Department of Applied Physics, Nagoya University*)

11:55-12:10

8C2: Oral Presentation

Air-Stable Dy(III) Single-Ion Magnets with High Anisotropy Barrier and Blocking Temperature

Ramaswamy Murugavel (*Department of Chemistry, Indian Institute of Technology Bombay*)

12:10-12:25

8C3: Oral Presentation

Organic-Based Intrinsic Synthetic Antiferromagnets and Related Ferrimagnets & Organic Spin-Valve Based upon Paramagnetic FeQ₃

Joel S. Miller (*Material Research Science and Engineering Center & Department of Chemistry, University of Utah*)

Session O

Chair: Toshio Naito

- 13:25-13:50 **8K3: Keynote Lecture**
Spin Spectroscopy of Single Molecules Probed by an Electric Current
 Herre S. J. van der Zant (*Kavli Institute of Nanoscience, Delft University of Technology*)
- 13:50-14:10 **8I4: Invited Lecture**
Engineering the Exchange Coupling at the Molecule/Electrode Interface in Molecular Spintronic Devices
 Talal Mallah (*Institut de Chimie Moléculaire et des Matériaux d'Orsay, Université Paris Sud*)
- 14:10-14:30 **8I5: Invited Lecture**
Spin Effects on Photo-Induced Electron and Energy Transfer in Molecular Donor-Acceptor Assemblies
 James K. McCusker (*Department of Chemistry, Michigan State University*)
- 14:30-14:45 **8C4: Oral Presentation**
Spin Transition Networks at Interfaces and in Particle Heterostructures
 Daniel R. Talham (*Department of Chemistry, University of Florida*)
- 14:45-15:00 **8C5: Oral Presentation**
A Molecular Device for the Simultaneous Magnetic-Induced Heating and Temperature Measurement. Mapping Temperature Distribution inside a Cell
 Fernando Palacio (*Departamento de Física de la Materia Condensada, Instituto de Ciencia de Materiales de Aragón*)
- 15:00-15:20 **8I6: Invited Lecture**
One Electron Makes the Difference: Redox Control of Exchange Bias in Chains of SMMS
 Andrea Cornia (*Dip.to di Scienze Chimiche e Geologiche, Università degli Studi di Modena e Reggio Emilia*)

Session P

Chair: Motohiro Nakano

- 15:40-16:05 **8K4: Keynote Lecture**
Spectroscopic Investigation of the Origin of Magnetic Bistability in Molecular Nanomagnets
 Joris van Slageren (*Institut für Physikalische Chemie, Universität Stuttgart*)
- 16:05-16:25 **8I7: Invited Lecture**
Coordination Complexes of Macrocyclic Ligands - from Single Molecule Magnets to MRI Contrast Agents
 Melanie Pilkington (*Department of Chemistry, Brock University*)
- 16:25-16:40 **8C6: Oral Presentation**
Water Proton Relaxivities and Structures in Water Solution of Self-Assemble Organic Radicals Aiming Metal Free MRI Contrast Agents
 Satoru Karasawa (*Graduate School of Pharmaceutical Sciences, Kyushu University*)
- 16:40-16:55 **8C7: Oral Presentation**
Optically Switchable Magnetic Conductors
 Toshio Naito (*Department of Chemistry and Biology, Ehime University*)
- 16:55-17:10 **8C8: Oral Presentation**
Using Excited-State Spin Dynamics of π -Radicals toward Molecular Spintronics
 Yoshio Teki (*Division of Molecular Material Science, Osaka City University*)

Session Q

Chair: Fernando Palacio

17:30-17:55 **8K5: Keynote Lecture**

Chemical Stimuli in Magnetic MOFs

Guillermo M. Espallargas (*Instituto de Ciencia Molecular, Universidad de Valencia*)

17:55-18:15 **8I8: Invited Lecture**

A Magnetic Protein Biocompass

Can Xie (*State Key Laboratory of Membrane Biology, Peking University*)

Poster Program

Sep. 5th (Mon.)

Flash Presentation 5FP

Chair: Dawid Pinkowicz

- 5FP001 Electronic Properties of Mixed Valence Vanadium-Lindqvist Polyoxometalates**
Kerry Wrighton-Araneda (*Facultad de Química y Biología, Universidad de Santiago de Chile*)
Nicolas Soto-Donoso, Patricio Hermosilla-Ibáñez, Veronica Paredes-García, Evgenia Spodine,
Diego Venegas-Yazigi*
- 5FP002 Self-Assembly of a Giant Tetrahedral 3d-4f Single-Molecule Magnet within a Polyoxometalate System**
Masooma Ibrahim* (*Karlsruhe Institute of Technology, Institute of Nanotechnology*)
Valeriu Mereacre, Nicolas Leblanc, Wolfgang Wernsdorfer, Christopher E. Anson, Annie K. Powell
- 5FP003 One-Dimensional π -Stacked Assemblies Based on Chiral Trioxotriangulene Neutral π -Radicals**
Tsuyoshi Murata* (*Department of Applied Chemistry, Aichi Institute of Technology*)
Chiaki Yamada, Takeshi Torii, Yasushi Morita
- 5FP004 Structural and Magnetic Studies of Novel Valence Tautomeric Coordination Polymers**
Olga Drath* (*School of Chemistry, University of Melbourne*)
Robert W. Gable, Boujemaa Moubaraki, Keith S. Murray, Giordano Poneti, Lorenzo Sorace, Colette Boskovic
- 5FP005 Engineering Metallosupramolecular Magnetic Solids**
Sergio Sanz* (*School of Chemistry, The University of Edinburgh*)
Helen M. O'Connor, Stergios Piligkos, Paul J. Lusby, Euan K. Brechin
- 5FP006 3d/4f Metallacrown Complexes as Molecular Magnets**
Eva Rentschler* (*Institute of Inorganic Chemistry, University of Mainz*)
Peter Happ, Alexander Kredel
- 5FP007 Magnet in a Cage: Slow Magnetic Relaxation in Cobalt(II) Clathrochelates**
Valentin Novikov* (*Nesmeyanov Institute of Organoelement Compounds of Russian Academy of Sciences*)
Alexander Pavlov, Yan Voloshin
- 5FP008 Slow Magnetic Relaxation in Zero Field and under Pressure in an Octahedral Mononuclear Cobalt(II) Compound**
Luca Rigamonti* (*Dipartimento di Scienze Chimiche e Geologiche, Università degli Studi di Modena e Reggio Emilia*)
Nathalie Bridonneau, Giordano Poneti, Lorenzo Sorace, Lorenzo Tesi, Dawid Pinkowicz, Eliseo Ruiz,
Roberta Sessoli, Andrea Cornia
- 5FP009 Mapping the Ligand Field and Magnetic Anisotropy in f-type Complexes**
Marilena Ferbinteanu (*University of Bucharest*)
Fanica Cimpoesu*
- 5FP010 Multi-Functional Lanthanide Nanocages**
Yan-Zhen Zheng* (*Institute of Science and Technology, Xi'an Jiaotong University*)
- 5FP011 Dehydration-Induced Switching in Ni^{II}-W^{IV} Framework: Changes in Structure, Optical, Magnetic and Thermal Expansion Properties**
Mateusz Reczyński* (*Faculty of Chemistry, Jagiellonian University*)
Szymon Chorazy, Beata Nowicka, Shin-ichi Ohkoshi, Barbara Sieklucka
- 5FP012 Assembly and Magnetism of a Giant {Co₆₄} Nanowheel**
Xue-Li Chen* (*Department of Chemistry and Pharmaceutical Sciences, Guangxi Normal University*)
Ming-Hua Zeng, Zhenxing Wang, Zhong-Wen Ouyang, Hiroyuki Nojiri
- 5FP013 Depth Resolved Measurements of Magnetic Properties in Thin Films of Single Molecule Magnets**
Zaher Salman* (*Laboratory for Muon Spin Spectroscopy, Paul Scherrer Institute*)
Matteo Mannini, Kevin Bernot, Alex Amato, Thomas Prokscha, Andreas Suter, Roberta Sessoli

5FP014 Single Molecule Magnets Grafted onto Superparamagnetic Iron Oxide Nanoparticles

E. Carolina Sañudo* (*Departament de Química Inorgànica i Institut de Nanociència i Nanotecnologia*)
 Lidia R. Piquer, Mariona Escoda, Erika Jiménez, Yanhua Lan, Wolfgang Wernsdorfer

5FP015 Highly-Oriented Molecular Arrangements and Enhanced Magnetic Interactions in Thin Films of CoTTDPz using PTCDA Templates

Keitaro Eguchi* (*Graduate School of Science, Nagoya University*)
 Chihiro Nanjo, Hsiang-Hang Tseng, Peter Robaschik, Sandrine Heutz, Kunio Awaga

Sep. 5th (Mon.)

Poster Session 5P**5P016 Why the Ln(III)-Centred Variants of the Fe₄ Cluster are Not Single Molecule Magnets? A Theoretical Study**

Javier Luzon* (*Centro Universitario de la Defensa de Zaragoza and Instituto de Ciencia de Materiales de Aragón*)
 Luca Rigamonti, Andrea Nava, Marie-Emmanuelle Boulon, Roberta Sessoli, Andrea Cornia

5P017 Microwave Assisted Synthesis and Nanostructuring of Single-Molecule Magnets

Lidia Rosado Piquer* (*Inorganic Chemistry Department, University of Barcelona*)
 Saul Carneros, Erika Jiménez, Yanhua Lan, Wolfgang Wernsdorfer, E. Carolina Sañudo

5P018 Polynuclear Cu(II) Clusters with a Semi-Flexible Aminotriazine-Based Bis-Methylpyridine Ligand: Synthesis, Structures and Magnetism

Chen-I Yang* (*Department of Chemistry, Tunghai University*)
 Yen-Wen Tzeng, Motohiro Nakano, Long-Li Lai, Gene-Hsiang Lee

5P019 Synthesis and Characterization of Novel Fluorenyl-Based Hydrocarbon Radicals

Takashi Kubo* (*Graduate School of Science, Osaka University*)
 Yi Tian, Yasukazu Hirao, Tomohiko Nishiuchi, Hiroyuki Kurata

5P020 New Rare Earth Ferrocenoylacetates: Dy Complex with the Highest Barrier for Lanthanide-Based β -Diketonates

Nikolay N. Efimov* (*Kurnakov Institute of General and Inorganic Chemistry of RAS*)
 Pavel S. Koroteev, Mathieu Rouzières, Andrey B. Ilyukhin, Zhanna V. Dobrokhotova, Rodolphe Clérac, Vladimir M. Novotortsev

5P021 Spin-Canted Ferromagnetism in a Family of Re^{IV}-Cu^{II} Chains

Anders H. Pedersen* (*EaStCHEM School of Chemistry, The University of Edinburgh*)
 José Martínez-Lillo, John Kong, Joan Cano, Juan Faus, Miguel Julve, Euan K. Brechin

5P022 Syntheses, Crystal Structures, and Magnetic Properties of Copper(II) Complexes with Bischelate and High-Spin Biradical Ligand

Atsushi Okazawa* (*Graduate School of Arts and Sciences, The University of Tokyo*)
 Takayuki Ishida, Keiichiro Ogawa, Norimichi Kojima

5P023 Highly Photostable Luminescent Organic Radicals and the Metal Complexes

Tetsuro Kusamoto* (*Department of Chemistry, The University of Tokyo*)
 Hiroshi Nishihara

5P024 Improving SMM Performance by Structural Modification of 3d/4f Complexes

María José Heras Ojea* (*WestCHEM School of Chemistry, University of Glasgow*)
 Victoria A. Milway, Wolfgang Wernsdorfer, Lynne H. Thomas, Claire Wilson, Mark Murrie

5P025 Preparation, Structure and Magnetic Properties of an Antiferromagnetic Strong-Rail/Ferromagnetic Rung Spin Ladder: (PhCH₂NEt₃)₂Cu₂Br₆

Salem Saïd (*Département de Chimie, Université de Sfax*)
 Houcine Naïle, Jeffrey C. Monroe, Christopher P. Landee, Mark M. Turnbull*

5P026 Synthesis of Sigmalene; Bisphenalenyl Compound Having *o*-Quinodimethane Structure

Keisuke Sahara* (*Department of Chemistry, Osaka University*)
 Tomohiko Nishiuchi, Yasukazu Hirao, Takashi Kubo

- 5P027 One-Dimensional Columnar Architecture Base on (Anilinium)(Dicyclohexano[18]Crown-6) Supramolecular Cation in $[\text{Ni}(\text{dmit})_2]^-$ Magnetic Crystal**
Yu Ohshima* (*Graduate School of Environmental Science, Hokkaido University*)
Kazuya Kubo, Shin-ichiro Noro, Tomoyuki Akutagawa, Takayoshi Nakamura
- 5P028 NEUTRAL π -Radical Thin-Films Based on Trioxotriangulene by Vapor-Deposition Method**
Yasushi Morita* (*Department of Applied Chemistry, Aichi Institute of Technology*)
Hiroshi Ito, Tsuyoshi Murata, Miwa Keishima, Ryotaro Tsuji
- 5P029 Synthesis and Properties of Phenalenyl Based Propellar Shaped Hydrocarbon Radical**
Takuya Kodama* (*Graduate School of Science, Osaka University*)
Yasukazu Hirao, Tomohiko Nishiuchi, Takashi Kubo
- 5P030 Magneto-Structural Correlations in Chromium Clusters**
Hector W. L. Fraser* (*EaStCHEM School of Chemistry, The University of Edinburgh*)
Euan K. Brechin
- 5P031 Crystallography and Magnetism of *p*- and *m*- (Aminocarbonyl)phenyl Nitronyl Nitroxides**
Takumi Tokumoto (*Department of Chemistry, Josai University*)
Motoko Akita*
- 5P032 Relationship between Molecular Structures and Redox Potentials of $[\text{Mn}^{\text{V}}(\text{N})(\text{CN})_4]^{2-}$ Complexes**
Yuu Kitamura* (*Department of Chemistry, Kumamoto University*)
Ryo Ohtani, Shinya Hayami
- 5P033 Magnetic Effects Accompanying Phase Transitions in Alkyl-Chain Anchored Nitroxide Mono- and Diradicals**
Evgeny Tretyakov* (*N.N. Vorozhtsov Novosibirsk Institute of Organic Chemistry*)
Ashok Keerthi, Martin Baumgarten
- 5P034 Synthesis and Magnetic Properties of New Chromium(III)-Acetylide-TTF Type Complexes**
Junichi Nishijo* (*School of Science and Engineering, Meisei University*)
Yoshitaka Shima, Masaya Enomoto
- 5P035 Dielectric Response of Molecular Rotator in Hydrogen-Bonding Copper Coordination Complexes**
Kiyonori Takahashi* (*Graduate School of Engineering, Tohoku University*)
Norihsa Hoshino, Tomoyuki Akutagawa
- 5P036 Observation of Magnetization-Induced Second Harmonic Generation in a Pentacyanonitrosylmolybdate-Based Metal Assembly**
Masaya Komine* (*Department of Chemistry, The University of Tokyo*)
Kenta Imoto, Yasuto Miyamoto, Koji Nakabayashi, Shin-ichi Ohkoshi
- 5P037 Syntheses, Structures, and Magnetic Properties of Tetranuclear Cobalt and Nickel Complexes with *ONO*-Tridentate Ligands**
Megumi Yoshitake* (*Department of Chemistry and Applied Chemistry, Saga University*)
Yasumasa Ogata, Momoko Nishihashi, Ko Yoneda, Yasunori Yamada, Hiroshi Sakiyama, Masayuki Koikawa
- 5P038 Rational Design and Synthesis of Single Ion Magnets**
Sanjit Konar* (*Department of Chemistry, Indian Institute of Science Education and Research Bhopal*)
Amit K. Mondal
- 5P039 Hydrogen Bond-Triggered Physical Property Switching in Purely Organic Conductors**
Akira Ueda* (*The Institute for Solid State Physics, The University of Tokyo*)
Reiji Kumai, Youichi Murakami, Hatsumi Mori
- 5P040 Magnetic Heterometallic Coordination Capsules**
Helen M. O'Connor* (*EaStCHEM School of Chemistry, The University of Edinburgh*)
Sergio Sanz, Eufemio M. Pineda, Kasper S. Pedersen, Gary S. Nichol, Ole Mønsted, Høgni Weihe, Stergios Piligkos, Eric J. L. McInnes, Paul J. Lusby, Euan K. Brechin

- 5P041 Single-Molecule Magnet Behavior in Trichromium Extended Metal Atom Chains (EMACs)**
 Vladimir Bulicanu (*CNRS, CRPP, UPR Université de Bordeaux*)
 Anandi Srinivasan*, Elizabeth A. Hillard, Mathieu Rouzières, Andrea Cornia, Lorenzo Sorace, Rodolphe Clérac
- 5P042 Using Photoreaction Method to Modulating Single-Molecule Magnet Behavior and Designing New Material**
 Jing Li* (*School of Chemistry and Chemical Engineering, Nanjing University*)
 Li Yang, Ming Kong, You Song
- 5P043 Enhancing the Slow Magnetic Relaxation by Corner Decoration of Nanoscale Cyanido-Bridged Clusters**
 Robert Podgajny* (*Faculty of Chemistry, Jagiellonian University*)
 Szymon Chorazy, Bernard Czarnecki, Michal Rams, Shin-ichi Ohkoshi, Barbara Sieklucka
- 5P044 Field-Induced Single-Ion Magnetism Based on Spin Phonon Relaxation in a Distorted Octahedral High-Spin Cobalt(II) Complex**
 Ryuta Ishikawa* (*Graduate School of Science, Fukuoka University*)
 Shunya Ueno, Satoshi Kawata
- 5P045 Magnetic Properties of Organic Radical Cation Salts, BBDTA•X**
 Wataru Fujita* (*Department of Information and Basic Science, Nagoya City University*)
- 5P046 Spin-Labelled Pyrroles in Design of Magnetoactive Compounds**
 Artem S. Bogomyakov* (*International Tomography Center, SB RAS*)
 Ekaterina M. Zueva, Evgeny V. Tretyakov, Sergey V. Fokin, Anastasiya O. Tkacheva, Galina V. Romanenko, Victor I. Ovcharenko
- 5P047 Remarkable Reorientation of Magnetic Anisotropy Induced by Slight Symmetry Breaking of a Cobalt(II) Complex**
 Zi-Shuo Yao* (*Institute for Materials Chemistry and Engineering, Kyushu University*)
 Osamu Sato
- 5P048 Magnetic Phase Diagram of the Organic Antiferromagnet F4BI_mNN**
 Cris Adriano* (*Instituto de Física Gleb Wataghin, Universidade Estadual de Campinas*)
 Rafael S. Freitas, Armando Paduan-Filho, Pascoal G. Pagliuso, Nei F. Oliveira Jr, Paul M. Lahti
- 5P049 Tunable Magnetic Properties of Thin Films of Prussian Blue Analogues**
 Magdalena Fitta* (*Institute of Nuclear Physics Polish Academy of Sciences*)
 T. Korzeniak, Pawel Czaja, Maria Balanda
- 5P050 A Photo-Switchable Valence Tautomeric Coordination Polymer**
 Zhao-Yang Li* (*Department of Chemistry, Tohoku University*)
 Jing-Wei Dai, Masahiro Yamashita
- 5P051 Structures and Magnetic Properties of Carbene-Fe(II) Complexes Having the Intra-Molecular Ferromagnetic Interaction**
 Koya Mori* (*Graduate School of Pharmaceutical Sciences, Kyushu University*)
 Kazuteru Usui, Noboru Koga, Satoru Karasawa
- 5P052 Synthesis and Magnetic Properties of a Schiff Base Macrocyclic Dy(III) Single-Molecule Magnet**
 Xiao-Xiang Chen* (*Beijing National Laboratory for Molecular Science, Peking University*)
 Bing-Wu Wang, Song Gao
- 5P053 Studies on Magnetic Properties of Bis(Nitroxide)Azulenes and Their Copper-Complexes**
 Makoto Haraguchi* (*Graduate School of Science, Osaka City University*)
 Evgeny V. Tretyakov, Shuichi Suzuki, Masatoshi Kozaki, Daisuke Shiomi, Kazunobu Sato, Takeji Takui, Keiji Okada
- 5P054 Synthesis and Properties of Radical-Substituted Phenothiazines and Their Cationic Species**
 Takuma Tahara* (*Graduate School of Science, Osaka City University*)
 Shuichi Suzuki, Masatoshi Kozaki, Daisuke Shiomi, Kazunobu Sato, Takeji Takui, Yuko Hosokoshi, Yota Miyake, Hiroyuki Nojiri, Keiji Okada

- 5P055 Crystal Structure and Magnetic Properties of a New Nitronyl Nitroxide Biradical Coupled Antiferromagnetically through *m*-Phenylene Linkage**
 Rei Otsuka* (*Graduate School of Science, Osaka Prefecture University*)
 Kyohei Okuda, Naoki Amaya, Hironori Yamaguchi, Toshio Ono, Hiroyuki Nojiri, Yuko Hosokoshi
- 5P056 Dy Acetylacetonate Complexes Encapsulated in Single-Walled Carbon Nanotube**
 Ryo Nakanishi* (*Graduate School of Science, Tohoku University*)
 Naoki Ihara, Jyunya Satoh, Keiichi Kato, Takeshi Saito, Masahiro Yamashita
- 5P057 Crystal Structures and Magnetic Interactions of MMX-Type Dirhodium(II,III) Complexes Bridged Benzamidinato**
 Saki Mikami* (*Graduate School of Science and Engineering, Shimane University*)
 Yusuke Kataoka, Tatsuya Kawamoto, Masahiro Mikuriya, Makoto Handa
- 5P058 Multi-Step Magnetic and Dielectric Phase Transitions in Charge-Transfer Salt of 4'-Tert-Butylbenzylpyridinium Bis(Maleonitriledithiolate)Nickelate**
 H. B. Luo* (*State Key Laboratory of Materials-Oriented Chemical Engineering, Nanjing Tech University*)
 W. H. Ning, X. M. Ren
- 5P059 Hysteretic Magnetic Transitions Coupled with Orientation Motion of Ions in One-Dimensional Nickel-Bis-Dithiolenes Quantum Magnet**
 S. X. Liu* (*State Key Laboratory of Materials-Oriented Chemical Engineering, Nanjing Tech University*)
 J. L. Liu, X. R. Chen, X. M. Ren
- 5P060 Spin-Delocalization with or without Twist**
 Michal Juriček* (*Department of Chemistry, University of Basel*)
 Prince Ravat, Peter Ribar, Tomáš Šolomek
- 5P061 Synthesis of Persistent Derivative of Open-Shell Graphene Fragment Triangulene**
 Peter Ribar* (*Department of Chemistry, University of Basel*)
 Tomáš Šolomek, Prince Ravat, Michal Juriček
- 5P062 Helically Chiral Open-Shell Polycyclic Aromatic Hydrocarbons**
 Prince Ravat* (*Department of Chemistry, University of Basel*)
 Peter Ribar, Tomáš Šolomek, Michal Juriček
- 5P063 Honeycomb-Like CN-Bridged Networks Revisited: Guest-Modified Structure and Magnetism**
 Beata Nowicka* (*Faculty of Chemistry, Jagiellonian University*)
 Mateusz Reczyński, Barbara Sieklucka
- 5P064 Slow Magnetic Relaxation in a Series of Linear ML_2 Transition Metal Complexes**
 Philip C. Bunting* (*Department of Chemistry, University of California Berkeley*)
 Fernande Grandjean, Gary J. Long, Jeffrey R. Long
- 5P065 Magnetic Modulation on Quantum Magnet $(CuCl_{2-x}Br_{2-x})_3(1,4\text{-dioxane})_2$**
 Bin Zhang* (*Organic Solid Laboratory, Institute of Chemistry, Chinese Academy of Sciences*)
 Jinbiao Shi, Yan Zhang, Daoben Zhu
- 5P066 Mixed-Valency and Electrochromism of a Triple-Decker Platinum Complex**
 Masaki Yoshida* (*Department of Chemistry, Hokkaido University*)
 Hotaka Shitama, Atsushi Kobayashi, Masako Kato
- 5P067 Control of Electron Correlation in Molecular Conductors by using Chiral and Racemic π -Donors**
 Jun-ichi Yamada* (*Graduate School of Material Science, University of Hyogo*)
 Shota Inagaki, Shogo Sakamoto, Ryosuke Matsumura, Tomofumi Kadoya, Hiroki Akutsu
- 5P068 A "half-Sandwiched" Er(III)-Crown-Ether Single-Molecule Magnet**
 You-Song Ding* (*Frontier Institute of Science and Technology, Xi'an Jiaotong University*)
 Yan-Zhen Zheng

- 5P069 Ferromagnetic Versus Antiferromagnetic Interactions in Mixed-Valent Copper Complexes with Sulfur-Containing Schiff-Base Ligands**
 Asako Igashira-Kamiyama* (*Graduate School of Science, Osaka University*)
 Masayuki Saito, Shuntaro Kodera, Takumi Konno
- 5P070 Photosensitive Magnetic Properties of Photochromic Nitroxide Radical Liquid Crystalline Compounds**
 Daichi Kiyohara* (*Graduate school of Engineering Science, Osaka University*)
 Takuya Akita, Sho Nakagami, Yoshiaki Uchida, Norikazu Nishiyama
- 5P071 Theoretical Insights into Antiferromagnetism for Tetranuclear Copper(II) Complexes with Phenoxido- and Hydroxido-Bridges**
 Makoto Handa* (*Department of Chemistry, Shimane University*)
 Daisuke Yoshioka, Masahiro Mikuriya, Saki Mikami, Toshifumi Akagi, Ichiro Hiromitsu, Yusuke Kataoka
- 5P072 Elucidating the Effect of the Structural Conversion and Their Biradical Property of Indene Annulated COTs**
 Kazuto Shimizu* (*Department of Chemistry, Osaka University*)
 Tomohiko Nishiuchi, Yasukazu Hirao, Takashi Kubo
- 5P073 Synthesis, Structure, and Magnetic Properties of Disk-Like Heptanuclear Nickel(II) Cluster**
 Fumiya Kobayashi* (*Department of Chemistry, Kumamoto University*)
 Ryo Ohtani, Shinya Hayami, Masaaki Nakamura
- 5P074 Structural Design of Coordination Polymers Based on Manganese and Chromium Ions Bridged by Oxalate Ligands Including Bulky Organic Cations**
 Kazuya Kubo* (*Research Institute for Electronic Science, Hokkaido University*)
 Masashi Yoshitake, Toru Endo, Shin-ichiro Noro, Tomoyuki Akutagawa, Takayoshi Nakamura
- 5P075 Structural and Electronic Properties of Novel Sandwich Systems Based on Sterically Stabilized Dihydropyridine and Pyridinium Radical**
 Yasukazu Hirao* (*Department of Chemistry, Osaka University*)
 Mitsuru Teraoka, Tomohiko Nishiuchi, Takashi Kubo
- 5P076 Conformational Change of Acridine-Anthranol Coupled Molecule Based on Photo-Induced Proton and Electron Transfer**
 Nobuhiro Nagamachi* (*Department of Chemistry, Graduate School of Science, Osaka University*)
 Yasukazu Hirao, Tomohiko Nishiuchi, Takashi Kubo
- 5P077 Optically Active Molecule-Based High Temperature Magnets**
 Barbara Rodríguez-García* (*Institute of Chemical Research of Catalonia*)
 Jose R. Galan-Mascarós
- 5P078 Two Different Ground States in K-Doped Polyacenes**
 Satoshi Heguri* (*WPI-AIMR, Tohoku University*)
 Quynh T. N. Phan, Hiroyuki Tamura, Takehito Nakano, Yasuo Nozue, Katsumi Tanigaki
- 5P079 Chiral Octaynoniobate-Based Magnets with 4-Bromopyridine Ligand**
 Takurou Ohno* (*Department of Chemistry, The University of Tokyo*)
 Kenta Imoto, Shin-ichi Ohkoshi
- 5P080 Molecular Optimization for Molecular-Spin Based Quantum Computers: Simulations of Multiple Quantum Gates by Optimal Microwave Pulses**
 Taiki Shibata (*Department of Chemistry and Molecular Materials Science, Osaka City University*)
 Satoru Yamamoto, Shigeaki Nakazawa, Elham Hosseini, Kenji Sugisaki, Koji Maruyama, Kazuo Toyota, Daisuke Shiomi, Kazunobu Sato, Takeji Takui*

- 5P081 Synthesis, Structures and Physical Properties of a Quasi-One-Dimensional Molecular Conductor Based on Hydrogen-Bond-Functionalized Benzothienobenzothiophene**
Toshiki Higashino* (*Institute for Solid State Physics, The University of Tokyo*)
Junya Yoshida, Akira Ueda, Kensuke Kobayashi, Reiji Kumai, Youichi Murakami, Hiromichi Yamakawa, Tatsuya Miyamoto, Hiroshi Okamoto, Kaoru Yamamoto, Hatsumi Mori
- 5P082 Highly Symmetric Spherical Molecular Clusters Gd₂₀ and Gd₃₂**
Lei Qin* (*Frontier Institute of Science and Technology, Xi'an Jiaotong University*)
Zhiping Zheng, Hiroyuki Nojiri, Yanhua Lan, Wolfgang Wersdorfer, Christian Schröder, Richard E. P. Winpenny, Y.-Z. Zheng
- 5P083 Multiple Cation-Anion Sensing of Crown-Ether Fused Quinoxalinone Derivative**
Yuta Nakane* (*Graduate School of Engineering, Tohoku University*)
Takashi Takeda, Norihisa Hoshino, Ken-ichi Sakai, Tomoyuki Akutagawa
- 5P084 Mixed-Metal Chain Complexes of Mixed-Valent Dinuclear Ruthenium Carboxylates and Tetracyanidoaurate(III)**
Masahiro Mikuriya (*Department of Applied Chemistry for Environment, Kwansei Gakuin University*)
Yusuke Tanaka, Shun Kawauchi*, Daisuke Yoshioka, Ryoji Mitsuhashi, Hidekazu Tanaka, Makoto Handa
- 5P085 Magnetic Properties of Bimetallic Phases, M_{0.2}Mn_{0.8}PS₃ • 0.25H₂O (M^{II} = Zn^{II}, Cu^{II}, Ni^{II} and Co^{II})**
Evgenia Spodine* (*Facultad de Ciencias Químicas y Farmacéuticas, Universidad de Chile*)
Pablo Fuentealba, Catalina Cortes, Veronica Paredes-García, Diego Venegas-Yazigi, Igor D. A. Silva, Ricardo Costa de Santana, Claudio J. Magon, Jorge Manzur
- 5P086 Iridates from the Molecular Side**
Kasper S. Pedersen* (*Center de Recherche Paul Pascal, University of Bordeaux*)
Jesper Bendix, Alain Tressaud, Etienne Durand, Høgni Weihe, Zaher Salman, Thorbjørn J. Morsing, Daniel N. Woodruff, Yanhua Lan, Wolfgang Wernsdorfer, Corine Mathonière, Stergios Piligkos, Sophia I. Klokishner, Serghei Ostrovsky, Katharina Ollefs, Fabrice Wilhelm, Andrei Rogalev, Rodolphe Clérac
- 5P087 Cu^{II}-Gd^{III} Heterometallic Coordination Polymer. Structural and Magnetic Characterization**
Carlos Cruz* (*Universidad de Chile, Facultad de Ciencias Químicas y Farmacéuticas-CEDENNA*)
Diego Venegas-Yazigi, Evgenia Spodine, Veronica Paredes-García
- 5P088 An Air-Stable Fe(II) Complex with Fish and Fish-Net Like Supramolecular Framework: Synthesis, Structure, and Magnetic Properties**
Ning Jiang* (*College of Materials Science and Engineering, Hebei United University*)
Bo Li
- 5P089 Simulation of the Magneto-Dynamics of Self-Organizing Nanoparticle Ensembles**
Christian Schröder* (*Bielefeld Institute for Applied Materials Research, Bielefeld University of Applied Sciences*)
Lisa Teich
- 5P090 Synthesis and Structure of Cu(II) Complex Axially Substituted with Methyltrifluoroborate**
Tomoaki Kanetou* (*Graduate School of Science and Engineering, Yamaguchi Univ.*)
Yukiko Takahashi, Shin-ichiro Noro, Kazuya Kubo, Takayoshi Nakamura, Ryo Tsunashima
- 5P091 Structure and Magnetic Properties of Bisnitroxide Pincer Compounds with a Spacing-Control Hinge**
Naoki Koizumi* (*Department of Engineering Science, The University of Electro-Communications*)
Takayuki Ishida
- 5P092 Coordination Frameworks Constructed of 1,4-Diazabicyclo[2.2.2.]Octane and Thiocyanate: Exploiting a Functionality Actuated by Dynamic Motion**
Misaki Shiga* (*Department of biology and chemistry, Yamaguchi University*)
Tomoaki Kanetou, Yumi Harada, Ryo Tsunashima
- 5P093 Structure and Magnetic Properties of Copper Dinuclear Spiro-Complexes Involving Tetraaminoneopentane**
Akifumi Kimura* (*Department of Engineering Science, The University of Electro-Communications*)
Takayuki Ishida

- 5P094 Trojan Horse Strategy for Magnetic Coordination Polymers with Mixed Bridging**
 Dawid Pinkowicz* (*Jagiellonian University, Faculty of Chemistry*)
 Gabriela Handzlik, Barbara Sieklucka
- 5P095 Synthesis and Properties of Benzotriazinyl-Nitroxyl Hetero Biradical**
 Yusuke Takahashi* (*Department of Applied Chemistry, Keio University*)
 Youhei Miura, Naoki Yoshioka
- 5P096 Preparation and Properties of 1,5-Diphenyl-6-Oxo-Verdazyl Derivatives**
 Takaho Sato* (*Department of Applied Chemistry, Keio University*)
 Youhei Miura, Naoki Yoshioka
- 5P097 Study on Imidazolate-Bridged Divalent 3D Metal Ion Complexes Capped with Tris(1-Pyrazolyl)Methane**
 Tamizo Kogane* (*Department of Engineering Science, The University of Electro-Communications*)
 Masaru Yamazaki, Takuya Kanetomo, Takayuki Ishida
- 5P098 Polar Crystal Structures and Stimuli-Responsive Magnetic Behaviors of Heterometallic Dinuclear Complexes Achieved by Chirality-Assisted Synthetic Method**
 Shinji Kanegawa* (*Institute for Materials Chemistry and Engineering, Kyushu University*)
 Soonchul Kang, Osamu Sato
- 5P099 High-Temperature Structure of a Thermal Durable Magnet Revealed by Single-Crystal X-Ray Diffraction and NMR**
 Koji Nakabayashi* (*Department of Chemistry, The University of Tokyo*)
 Szymon Chorazy, Yasuto Miyamoto, Koji Yazawa, Daisuke Takahashi, Barbara Sieklucka, Shin-ichi Ohkoshi
- 5P100 Cyanide-Bridged 2D and 3D networks (Mn^{II}-L-[Mo^{IV}/W^{IV}(CN)₈]; L=pyr, 4,4'-bpdo) Exhibiting Light-Induced Excited Spin State Trapping**
 Michal Magott* (*Faculty of Chemistry, Jagiellonian University*)
 Dawid Pinkowicz, Barbara Sieklucka
- 5P101 Design and Study of New Redox-Active Coordination Complexes as Precursors for SMMs and SCMs**
 Pierre Dechambenoit* (*CNRS, CRPP, University of Bordeaux*)
 Daniel Woodruff, Dumitru Samohvalov, Rodolphe Clérac
- 5P102 From Ferromagnetism to Anti-ferromagnetism of an Fe₄ Cubane Induced by Single-Crystal-to-Single-Crystal Oxidation in Air**
 Ming Zhang* (*Department of Chemistry and Pharmaceutical Sciences, Guangxi Normal University*)
 Ming-Hua Zeng, Yi-Chen Sun, Zhenxing Wang
- 5P103 Synthesis and Property of Schiff Base Oxovanadium Complexes Derived from Diaminomaleonitrile**
 Yusuke Kurisu* (*Department of Applied Chemistry, Keio University*)
 Youhei Miura, Naoki Yoshioka
- 5P104 Molecule-Based Anisotropy Enhancement of Superparamagnetic Nanoparticles**
 Yoann Prado (*Sorbonne University-University Pierre and Marie CURIE*)
 Nieli Daffé, Aude Michel, Thomas Georgelin, Nader Yaacoub, Jean-Marc Grenèche, Fadi Choueikani, Edwige Otero, Philippe Ohresser, Marie-Anne Arrio, Christophe Cartier-dit-Moulin, Philippe Sainctavit, B. Fleury, V. Dupuis, L. Lisnard*, J. Fresnais
- 5P105 Pressure-Tuning of the Photomagnetic Response of Heterostructured CoFe@CrCr-PBA Core@Shell Nanoparticles**
 Marcus K. Peprah (*Department of Physics and the National High Magnetic Field Laboratory, University of Florida*)
 Derrick VanGennep, Pedro A. Quintero, Olivia N. Risset, Tatiana V. Brinzari, Carissa H. Li, Matthieu F. Dumont, James J. Hamlin, Daniel R. Talham, Mark W. Meisel*

- 5P106 Redox Flow Battery using TEMPO-Containing Polymer Particles as a Cathode Active Material**
Shiori Noguchi* (*Department of Applied Chemistry, Waseda University*)
Rihito Watanabe, Hiroshi Tokue, Kenichi Oyaizu, Hiroyuki Nishide
- 5P107 Structure and Tunneling Magnetoresistance Effect of Co-AlF Nanogranular Films Prepared by Co-Separate Sputtering**
Yang Cao* (*Frontier Research Institute for Interdisciplinary Sciences, Tohoku University*)
Yiwen Zhang, Shigehiro Ohnuma, Nobukiyo Kobayashi, Hiroshi Masumoto
- 5P108 Synthesis of CuCr₂Se₄ Nanoparticles by Microwave-Assisted Polyol Route and Photo-Induced Magnetism**
Dongsoo Kim* (*Korea Institute of Materials Science*)
Jongbin Ahn, Youngsoo Kang, Yuri S. Tveryanovich
- 5P109 Magnetic and Structural Evaluation of Graphene Oxide**
Kentaro Tajima* (*Graduate School of Science and Engineering, Hosei University*)
Takuya Isaka, Tomoki Yamashina, Yutaka Ohta, Yoshiaki Matsuo, Kazuyuki Takai
- 5P110 Host-Guest Interactions between Nanographene Host and Magnetic Guest Molecule**
Akira Suzuki* (*Graduate school of science and Engineering, Hosei university*)
Kazuyuki Takai
- 5P111 Noise Spectrum Analyzing of a Molecular Spin Qubit**
Yingqiu Dai* (*National Laboratory for Physics Sciences at the Microscale and University of Science and Technology of China*)
Jiangfeng Du
- 5P112 NO_x Magnetism in Activated Carbon as Nano-Graphne Host Material**
Kazuyuki Takai* (*Department Chemical Science and Technology, Hosei University*)
Satomi Nishijima, Asataro Yamada
- 5P113 Synthesis and Magnetic Properties of (Nitronyl Nitroxide)-Substituted Trioxyltriphenylamine Radical Cation Salts**
Keiji Okada* (*Department of Chemistry, Osaka City University*)
Masato Kuratsu, Shuichi Suzuki, Masatoshi Kozaki, Daisuke Shiomi, Kazunobu Sato, Takeji Takui, Tsuneki Kanzawa, Yuko Hosokoshi, Xia-Zheng Lan, Yuji Miyazaki, Akira Inaba
- 5P114 Theoretical Study on Triplet (T₁) State of bis(Dipyrrinato)Zinc(II) Complexes**
Mizuki Asaoka* (*Department of Materials Engineering Science, Osaka University*)
Rena Teramoto, Koji Miyagi, Yasutaka Kitagawa, Masayoshi Nakano
- 5P115 CAHF/CASCI-SO *ab initio* Method for Crystal Field States of Ln(III) Complexes**
Willem Van den Heuvel* (*School of Chemistry, University of Melbourne*)
Simone Calvello, Alessandro Soncini
- 5P116 Magneto-Structural Relationship of High-Spin Cobalt(II) Complexes**
Hiroshi Sakiyama* (*Department of Material and Biological Chemistry, Yamagata University*)
Reiji Sudo, Daisuke Yoshioka, Ryoji Mitsuhashi, Masahiro Mikuriya
- 5P117 Theoretical Study of Magnetic Interaction in Pyrazole-Bridged Dinuclear Cu(II) Complex**
Koji Miyagi* (*Department of Materials Engineering Science, Osaka University*)
Mizuki Asaoka, Rena Nishikubo, Yasutaka Kitagawa, Masayoshi Nakano
- 5P118 Crystal Field in Lanthanides: An *ab initio* Insight**
Liviu F. Chibotaru* (*Katholieke Universiteit Leuven*)
Liviu Ungur
- 5P119 The Interaction between a Single-Molecule Magnet and Iron-Based Magnetic Nanoparticles**
Juri Ugolotti* (*Regional Centre of Advanced Technologies and Materials, Palacky University Olomouc*)
Giorgio Zoppellaro, Jiri Tuček, Ondrej Malina, Radek Zbořil

5P120 Synthesis of Vanadium(VI) Oxo and Chromium(V) Nitride Complexes with Bidentate and Tetradentate Schiff Base Ligands and Their Magnetic Properties

Naoki Yoshioka* (*Department of Applied Chemistry, Keio University*)
 Shin Nakagome, Yusuke Takahashi, Yuki Watanabe, Youhei Miura

5P121 Synthesis, Crystal Structure and Properties of Two New Compounds Based on Isophthaloyl-glycine

Zhao-ru Pan* (*School of Environmental Science, Nanjing Xiaozhuang University*)
 Han Xu

Sep. 6th (Tue.)

Flash Presentation 6FP

Chair: Bing Wang

6FP001 Lanthanide Based Endohedral Metallo-Fullerenes (EMFs) as a Next Generation Single Molecular Magnets (SMMs)

Mukesh K. Singh* (*Department of Chemistry, Indian Institute of Technology Bombay*)
 Gopalan Rajaraman

6FP002 Direct Visualization of Surface Phase of Oxygen Molecules Physisorbed on Ag(111) Surface: A Two-Dimensional Quantum Spin System

Shunji Yamamoto* (*The Institute for Solid State Physics, The University of Tokyo*)
 Yasuo Yoshida, Hiroshi Imada, Yousoo Kim, Yukio Hasegawa

6FP003 Spin Resolved Tunneling to Salene Based Magnetic Molecules Adsorbed on Ferromagnetic Graphene Based Substrates

Maciej Bazarnik* (*Department of Physics, University of Hamburg*)
 Bernhard Bugenhagen, Annika Frank, Marc H. Prosen, Roland Wiesendanger

6FP004 Magnetic Study of Layered Lanthanide Hydroxide Series: from Single Ion Magnets to 3D Interaction Effects

Joana T. Coutinho* (*Instituto Superior Técnico, Universidade Lisboa*)
 Bernardo Monteiro, Manuel Almeida, Laura C. J. Pereira

6FP005 Magnetic Properties of Multi-Oxidation Species of Terbium(III)-Phthalocyaninato Multiple-Decker Complexes

Yoji Horii* (*Department of Chemistry, Tohoku University*)
 Keiichi Katoh, Masahiro Yamashita

6FP006 High-Field ESR Measurements of New Candidate Substance $[\text{Cu}_3(\text{OH})_2(\text{OAc})_2(\text{H}_2\text{O})_4]$ ($p\text{-C}_2\text{H}_5\text{C}_6\text{H}_4\text{SO}_3$)₂ for $S=1/2$ Diamond Chain

Susumu Okubo* (*Molecular Photoscience Research Center, Kobe University*)
 Daisuke Miyazaki, Shigeo Hara, Takahiro Sakurai, Hitoshi Ohta, Wataru Fujita

6FP007 Redox-Switchable Electron Exchange Interaction in Molecular Double Qubits: Towards the Physical Implementation of Quantum Information Processing

Jesús Ferrando-Soria* (*School of Chemistry and Photon Science Institute, The University of Manchester*)
 Samantha A. Magee, Alessandro Chiesa, Stefano Carretta, Paolo Santini, Iñigo J. Vitorica-Yrezabal, Floriana Tuna, Stephen Sproules, Anne-Laura Barra, Grigore A. Timco, Eric J. L. McInnes, Richard E. P. Winpenny

6FP008 Magnetic Molecular Oligomers Based on Decametallate Supertetrahedra from the Use of Diols in Mn Chemistry

Anastasios J. Tasiopoulos* (*Department of Chemistry, University of Cyprus*)
 Maria Manoli, Sofia Alexandrou, Linh Pham, Giulia Lorusso, Wolfgang Wernsdorfer, Marco Evangelisti, George Christou

6FP009 Quantum Spin Liquid of Kagome-Lattice Antiferromagnet

Toru Sakai* (*Graduate School of Material Science, University of Hyogo*)
 Hiroki Nakano

Poster Session 6P

- 6P010 How to Map the Anisotropy of Magnetic Chains, Metal Organic Frameworks and Thin Films**
Mauro Perfetti* (*Department of Chemistry "U. Schiff", Università di Firenze*)
Michele Serri, Matteo Mannini, Christopher Anson, Ionut Mihalcea, Luca Rigamonti, Andrea Cornia, Roberta Sessoli
- 6P011 Theoretical Study of the Electronic Structure and Magnetic Interaction in the $\text{Mn}^{\text{III}}(\mu\text{-F})\text{F}_4(\text{Me}_3\text{tacn})_2$ Complex with Potential Applications in Spintronics**
Nicolás Montenegro Pohlhammer* (*Facultad de Ciencias Exactas, Universidad Andres Bello*)
Ramiro Arratia-Perez, Dayán Páez-Hernández
- 6P012 Engineering the Ising-Type Anisotropy in Trigonal Bipyramidal Co(II) Complexes**
Feng Shao* (*Institut de Chimie Moléculaire et des Matériaux d'Orsay, Université Paris Sud*)
Benjamin Cahier, Eric Rivière, Régis Guillot, Victoria E. Campbell, Talal Mallah
- 6P013 SMM Properties of Low Spin d^3 Complexes**
Jeremy M. Smith* (*Department of Chemistry, Indiana University*)
Mei Ding, George E. Cutsail, Benjamin W. Stein, Daniel Aravena, Martín Amoza, Yaroslav Losovyj, Maren Pink, Eliseo Ruiz, Martin L. Kirk, Brian M. Hoffman, Rodolphe Clérac
- 6P014 What Controls Quantum Tunnelling of Magnetization in Ni(II) Containing Ln(III) Single-Molecule-Magnets?**
Naushad Ahmed* (*Department of Chemistry, Indian Institute of Technology Bombay*)
Maheswaran Shanmugam
- 6P015 New 2p-3d-4f Hetero-Tri-Spin Clusters: Structure and Magnetic Properties**
Licun Li* (*Department of Chemistry, Nankai University*)
- 6P016 $\{\text{Ni}^{\text{II}}_8\text{Ln}^{\text{III}}_6\}$ (Ln=Gd, Dy) Rod-Like Nano-Sized Cluster with a Double Carbonate Bridge Skeleton and Remarkable MCE Behaviour**
Eliana Guarda (*Departamento de Química Inorgánica, Universidad de Buenos Aires*)
Katharina Bader, Joris van Slageren, Pablo Alborés*
- 6P017 Constructing Heterometallic Grids and Wheels**
Jinkui Tang* (*Changchun Institute of Applied Chemistry, Chinese Academy of Sciences*)
- 6P018 Single-Molecule Magnet Behavior of Lanthanoid(III) Complexes with Pt Ligand**
Takefumi Yoshida* (*Department Chemistry, Tohoku University*)
Goulven Cosquer, Yanhua Lan, Wolfgang Wernsdorfer, Hiroyuki Nojiri, Masahiro Yamashita
- 6P019 Luminescent Yb^{III} -Based Single Molecule Magnets**
Fabrice Pointillart* (*Institut des Sciences Chimiques de Rennes, Université de Rennes*)
Bertrand Lefevre, Boris Le Guennic, Stephane Golhen, Olivier Cador, Olivier Maury, Lahcene Ouahab
- 6P020 Giant Exchange Interaction in Mixed Lanthanides**
Naoya Iwahara* (*Katholieke Universiteit Leuven*)
Veaceslav Vieru, Liviu Ungur, Liviu F. Chibotaru
- 6P021 Role of Exchange Coupling in Relaxation Dynamics of Pseudooctahedral Radical Based Lanthanide Complexes**
Chinmoy Das* (*Department of Chemistry, Indian Institute of Technology Bombay*)
Maheswaran Shanmugam
- 6P022 Chiral Magnets Derived from Schiff Bases**
Julia Mayans* (*Departament de Química Inorgànica Universitat de Barcelona*)
Albert Escuer, Merce Font-Bardia, M. Górecki, Francesco Zinna, Lorenzo Di Bari

- 6P023 Room Temperature Quantum Coherence in Vanadium(IV)-Based Molecular Materials as Potential Spin Qubits**
 Matteo Atzori* (*Dipartimento di Chimica "Ugo Schiff" & INSTM - Università degli Studi di Firenze*)
 Lorenzo Tesi, Elena Morra, Mario Chiesa, Lorenzo Sorace, Roberta Sessoli
- 6P024 Investigation of a Double Decker Single-Ion Magnets Based on Tetraaza-Macrocycle**
 Zhifu Liang* (*Chemistry Department, Tohoku University*)
 Goulven Cosquer, Masahiro Yamashita
- 6P025 Uniaxial Magnetic Anisotropy of Square-Planar Chromium(II) Complexes Revealed by Magnetic and HF-EPR Studies**
 Yi-Fei Deng* (*Frontier Institute of Science and Technology, Xi'an Jiaotong University*)
 Yan-Zhen Zheng
- 6P026 Complexes Based on a {CuDy}²⁺ Building Block and Investigation of Their Magnetic Behavior**
 Irina A. Kühne* (*Department of Inorganic Chemistry, Karlsruhe Institute of Technology*)
 Christopher E. Anson, Annie K. Powell
- 6P027 Optical Control of Giant Molecular Spin States using Torque-Detected Electron Spin Resonance (TDESR)**
 Michael Slota* (*Department of Materials, University of Oxford*)
 Eric Heintze, Marian Blankenhorn, Andrea Cornia, Brad Moores, Christian Degen, R. Hübner, Lapo Bogani
- 6P028 Synthesis and Study of Redox-Active Molecular Nanomagnets**
 Xiaozhou Ma* (*Centre de Recherche Paul Pascal*)
 Pierre Dechambenoit, Mathieu Rouzies, Rodolphe Clerac
- 6P029 Heterometallic 3d-4f Single Molecule Magnets: Experiment and Theory**
 Vignesh R. Kuduva* (*IITB-Monash Research Academy*)
 Rajaraman Gopalan, Keith S. Murray
- 6P030 Designer Magnetic Anisotropy: Engineering Better Single Molecule Magnets**
 Nicholas F. Chilton* (*School of Chemistry and the Photon Science Institute, The University of Manchester*)
 Matthew Gregson, Ana-Maria Ariciu, Floriana Tuna, Iain F. Crowe, William Lewis, Alexander J. Blake, David Collison, Eric J. L. McInnes, Richard E. P. Winpenny, Stephen T. Liddle
- 6P031 Spin Correlations, Dynamics, and Excitations of the Molecular Spin-Liquid System**
 Yugo Oshima* (*Condensed Molecular Materials Lab., RIKEN*)
 Reizo Kato
- 6P032 Landauer Erasure and Reversible, High-Speed Computing with a Quantum Nanomagnet as a Classical Bit**
 Rocco Gaudenzi* (*Kavli Institute of Nanoscience, Delft University of Technology*)
 Enrique Burzurí, Herre S. J. van der Zant, Satoru Maegawa, Fernando Luis
- 6P033 From Small Spin Frustration Structure to Explore Quantum Spin Liquid**
 Li Yang* (*School of Chemistry and Chemical Engineering, Nanjing University*)
 Jing Li, You Song
- 6P034 Switchable Spin-Spin Interaction Inside a Multiply Interlocked Assembly**
 Yasuyuki Yamada* (*Department of Chemistry, Nagoya University*)
 Ryohei Ito, Sayaka Ogino, Tatsuhisa Kato, Kentaro Tanaka
- 6P035 Adjusting the Ground Spin State of Clusters by Ferromagnetic Polarization**
 Fan Cao (*School of Chemistry and Chemical Engineering, Nanjing University*)
 Jing Li, You Song*
- 6P036 Lanthanide-Based Single-Molecule Magnets with High Blocking Temperatures**
 Selvan Demir* (*Department of Chemistry, University of California, Berkeley*)
 Miguel I. Gonzalez, Jeffrey R. Long

- 6P037 Successive Antiferromagnetic Transition in 1D Organic Conductor (TMTTF)₂Br**
Toshikazu Nakamura* (*Institute for Molecular Science*)
- 6P038 Hexa- and Tetranuclear 3d-4f Clusters with a Diketone Ligand**
Takuya Shiga* (*Graduate School of Pure and Applied Sciences, University of Tsukuba*)
Momoyo Yamaguchi, Norifumi Yoshida, Hiroki Oshio
- 6P039 Adjusting the Magnetic Anisotropy of Co^{II}-Based SIMs via Constructing Axial Ligand Fields**
Xiaonan Yao* (*Beijing National Laboratory for Molecular Sciences, Peking University*)
Yiquan Zhang, Muwen Yang, Shangda Jiang, Bingwu Wang, Song Gao
- 6P040 Spin Relaxation vs. Long Range Ordering in Lanthanide Polymeric Furoates**
Elena Bartolome* (*Escola Universitaria Salesiana de Sarria*)
Ana Arauzo, Javier Luzon, Laura Badia, Rafael Cases, Fernando Luis, Silvia Melnic, Denis Prodius, Sergiu Shova, Juan Bartolome
- 6P041 Field-Induced Slow Magnetic Relaxation in a Mononuclear Ruthenium(III) Complex**
Shu-Qi Wu* (*Institute for Materials Chemistry and Engineering, Kyushu University*)
Osamu Sato
- 6P042 Evidencing Under-Barrier Magnetic Relaxation in Mononuclear Lanthanide-Based SMM**
Frederic Guegan* (*Laboratoire des Multimatériaux et Interfaces, Université Claude Bernard Lyon 1*)
Julie Jung, Francois Riobe, Olivier Maury, Boris Le Guennic, Christophe Morell, Dominique Luneau
- 6P043 Metallacrown Based Single Molecule Magnets with High Magnetic Anisotropy**
Christoph Gamer* (*Institute of Inorganic and Analytical Chemistry, Johannes Gutenberg University Mainz*)
E. Rentschler
- 6P044 Click Chemistry for Molecular Magnets**
Jasmin Krause* (*Institute of Inorganic and Analytical Chemistry, Johannes Gutenberg University Mainz*)
Christian Plenk, Eva Rentschler
- 6P045 Effect of Heterometals on Structural and Magnetic Properties of a Family of Cage-Like Manganese/Lanthanide Clusters**
Daisuke Takahashi* (*Department of Chemistry, University of Florida, Gainesville*)
A. E. Thuijs, Khalil A. Abboud, George Christou
- 6P046 Magnetic Responses of One-Dimensional Cyano-Bridged Complexes upon Li-Ion Intercalation**
Akira Sugahara* (*Department of Chemical System Engineering, School of Engineering, The University of Tokyo*)
Masashi Okubo, Atsuo Yamada, Juan Jimenez, Laurent Lisnard, Rodrigue Lescouézec
- 6P047 Synthesis and Single Molecule Magnet Behavior of Linear Zn^{II}-Tb^{III}-Zn^{II} Trinuclear Complex Which Possesses Three-Fold Symmetry**
Saori Kayahara* (*Faculty of Science, Nara Women's University*)
Natsumi Irie, Poh Ling Then, Chika Takehara, Yumiko Kataoka, Takashi Kajiwara, Tomoo Yamamura
- 6P048 Heterometallic Cu(II)-Dy(III) Clusters with Slow Magnetic Relaxation**
Goulven Cosquer* (*Core Research for Evolutional Science and Technology, Tohoku University*)
Ritwik Modak, Yeasin Sikdar, Sudipta Chatterjee, Masahiro Yamashita, Sanchita Goswami
- 6P049 Hydroxide-Bridged Dy^{III} Single Molecule Magnet Exhibiting the Record Barrier of Lanthanide Dimers**
Jin Xiong* (*Beijing National Laboratory of Molecular Science, Peking University*)
Yin-Shan Meng, Chen Gao, Zhao-Sha Meng, Yi-Quan Zhang, Bing-Wu Wang, Song Gao
- 6P050 Constructing Cyclic Lanthanide Single-Molecule Magnets through the Integrate of Different Pre-Designed Building Blocks**
Haiquan Tian* (*School of Chemistry and Chemical Engineering, Nanjing University*)
Song-Song Bao, Li-Min Zheng

- 6P051 Modulation of Magnetic Dynamics of Two Bipyridine Coordinated Dy Ion Bridged by Diarylethene**
Mritunjoy Kamila* (*Department of Chemistry, Tohoku University*)
Goulven Cosquer, Zhaoyang Li, Masahiro Yamashita
- 6P052 Slow Magnetic Relaxation Behaviors of Ln(III) Complexes Which Belong to the D_3 Point Group**
Saki Nakanishi* (*Faculty of Science, Nara Women's University*)
Haruna Ogawa, Saori Kayahara, Natsumi Irie, Yumiko Kataoka, Takashi Kajiwara, Tomoo Yamamura
- 6P053 Magnetic Properties of [3M-M-3M] and [6M-M] Type Hydroxyl-Bridged Heptanuclear Clusters**
Yasuhiro Tsuji* (*Department of Chemistry, Kyushu University*)
Tatsuo Togo, Akio Mishima, Tomomi Koshiyama, Masaaki Ohba
- 6P054 Magnetism and Structure of Superoxide NaO_2**
Mizuki Miyajima* (*Department of Physics, Okayama University*)
Takeshi Kakuto, Takehito Nakano, Retno Asih, Dita P. Sari, Isao Watanabe, Takashi Kambe
- 6P055 Construction of Radical-Based Compounds with Versatile Magnetic Properties**
Xiaoqing Liu* (*Department of Chemistry, Nankai University*)
Wei Shi, Peng Cheng
- 6P056 Towards Molecular 4f Single-Ion Magnet Qubits**
Kasper S. Pedersen* (*CRPP, UPR 8641 and CNRS, ICMCB*)
Ana-Maria Ariciu, Høgni Weihe, Jesper Bendix, Floriana Tuna, Stergios Piligkos
- 6P057 Qualitative Designation of Lanthanide Single-Molecule Magnets**
Bingwu Wang* (*Beijing National Laboratory for Molecular Science, Peking University*)
Yiquan Zhang, Chen Gao, Zhida Chen, Song Gao
- 6P058 Molecular Geometry and Ground-State of Dinuclear Terbium(III) Triple-Decker Single-Molecule Magnets**
Keiichi Katoh* (*Department of Chemistry, Tohoku University*)
Brian K. Breedlove, Masahiro Yamashita
- 6P059 Syntheses and SMM Behaviors of Prolate-Type Ln^{III} Mononuclear Complexes Which Belong to the D_3 Point Group**
Haruna Ogawa* (*Faculty of Science, Nara Women's University*)
Saki Nakanishi, Saori Kayahara, Natsumi Irie, Yumiko Kataoka, Takashi Kajiwara, Tomoo Yamamura
- 6P060 Neutron and Muon Studies of Magnetic Ordering in the Nanodisc Single Molecule Magnet Fe_9**
Francis L. Pratt* (*ISIS Neutron and Muon Source, STFC Rutherford Appleton Laboratory*)
Pascal Manuel, Tatiana Guidi, Edoardo Micotti, Pietro Carretta, Alessandro Lascialfari, Paolo Arosio, Tom Lancaster, Stephen J. Blundell, Jinkui Tang, Christopher E. Anson, Annie K. Powell
- 6P061 Magneto-LC Effects in Nitroxide Racial Liquid Crystals with Terminal Cyano Group**
Takuya Akita* (*Graduate School of Engineering Science, Osaka University*)
Yoshiaki Uchida, Daichi Kiyohara, Norikazu Nishiyama
- 6P062 Verdazyl-Based 2p-3d-4f Single Molecule Magnets**
Ghenadie Novitchi (*LNCMI, CNRS/Univ. Grenoble-Alpes*)
Yanhua Lan, Sergiu Shova, Wolfgang Wernsdorfer, Cyrille Train*
- 6P063 Of Solvent Effects on the Crystal Structure and Single-Molecule Magnet (SMM) Behavior of a Dinuclear Erbium Complex**
David C. Izuogu* (*Department of Chemistry, Tohoku University*)
Goulven Cosquer, Takefumi Yoshida, Brian K. Breedlove, Masahiro Yamashita
- 6P064 Lanthanide Based Single Molecule Magnets: A Dy^{III} in N_2O_6 Environment Saga**
Olivier Cador* (*Institut des Sciences Chimiques de Rennes, Université de Rennes 1*)
Fabrice Pointillart, Stephane Golhen, Lahcene Ouahab, Boris L. Guennic

- 6P065 High-Field Magnetism of the $S=1/2$ Square-Lattice Antiferromagnet $\text{Cu}(\text{pyz})_2(\text{ClO}_4)_2$**
 Masayuki Hagiwara* (*Center for Advanced High Magnetic Field Science, Osaka University*)
 Masami Ikeda, Takanori Kida, Zentaro Honda, Takafumi Suzuki, Kouichi Okunishi
- 6P066 Optimization of the Synthesis of Trinuclear Metal Nitride Template Endohedral Metallofullerenes Showing Single-Molecule Magnet Behavior**
 Junya Satoh* (*Graduate School of Science, Tohoku University*)
 Ryo Nakanishi, Keichi Katoh, Haruka Omachi, Ryo Kitaura, Brian K. Breedlove, Hisanori Shinohara, Masahiro Yamashita
- 6P067 High-Field Magnetism of the $S = 1/2$ Honeycomb-Lattice Antiferromagnet $\text{Cu}_2(\text{pymca})_3(\text{ClO}_4)$**
 Akira Okutani* (*Center for Advanced High Magnetic Field Science, Osaka University*)
 Takanori Kida, Zentaro Honda, Tokuro Shimokawa, Masayuki Hagiwara
- 6P068 Oligonuclear Nickel(II) Complexes with N,N' -Bis(2-hydroxy-3,5-dimethylbenzyl)- N,N' -dimethyl-1,2-ethanediamine**
 Masahiro Mikuriya* (*Department of Applied Chemistry for Environment, Kwansai Gakuin University*)
 Shoko Yano, Daisuke Yoshioka, Carley Paulsen, Elsa Lhotel, Wolfgang Wernsdorfer, Dominique Luneau
- 6P069 Assembling a Two-Dimensional Eighteen-Membered Honeycomb Lattice with Almost Classical Spins**
 Guo-Jun Zhou* (*Frontier Institute of Science and Technology, Xi'an Jiaotong University*)
 Yan-Zhen Zheng, Johannes Richter, Jürgen Schnack
- 6P070 One-Dimensional Quantum Antiferromagnetism in Ionic Polyaromatic Hydrocarbons**
 Yasuhiro Takabayashi* (*WPI-AIMR, Tohoku University*)
 Melita Menelaou, Hiroyuki Tamura, Denis Arçon, Kosmas Prassides
- 6P071 Synthesis of Low Symmetry Dy^{3+} Single Ion Magnets by Directing Charged Ligands to Axial Positions**
 Sebastian F. M. Schmidt* (*Institute of Inorganic Chemistry, Karlsruhe Institute of Technology*)
 Michael Steudle, Rouven F. Pfleger, Christopher E. Anson, Annie K. Powell
- 6P072 Tetragonal Lanthanide Complexes as Test Subjects for SMM Design Criteria**
 Mikkel A. Sørensen* (*Department of Chemistry, University of Copenhagen*)
 Ursula B. Hansen, Giovanna G. Simeoni, Tom Fennell, Hannu Mutka, Fiona C. Coomer, Jesper S. Mortensen, Høgni Weihe, Maria Retuerto, Linda H. Doerrer, Kim Lefmann, Jesper Bendix
- 6P073 Novel High-Symmetry Lanthanide SMMs and Actinide Chains Assembled via Metal-Metal Interactions**
 Jesper Bendix* (*Department of Chemistry, University of Copenhagen*)
 Mikkel A. Sørensen, Emil Hansen, Rikke M. Gelardi, Stergios Piligkos, Høgni Weihe, Kim Lefmann, Ursula B. Hansen, Linda H. Doerrer, Nicola Magnani, Olaf Walter, Jan Dreiser, Hannu Mutka
- 6P074 Influence of Ligand Field Distortions in a Family of Tetragonal $\text{M}^{\text{II}}\text{-Re}^{\text{IV}}$ Single-Chain Magnets**
 Morten G. Vinum* (*Department of Chemistry, University of Copenhagen*)
 Kasper S. Pedersen, Mikkel A. Sørensen, Rodolphe Clérac, Jesper Bendix
- 6P075 Pentanuclear Lanthanide Pyramids Based on Thiacalix[4]Arene Ligand Exhibiting Slow Magnetic Relaxation**
 Jing-Yuan Ge* (*School of Chemistry and Chemical Engineering, Nanjing University*)
 Fei Yu, Long Cui, Jing-Lin Zuo
- 6P076 Quantum Effect on a 4-Coordinated 3D Antiferromagnet Made of a New Nitronyl Nitroxide Biradical**
 Naoki Amaya* (*Graduate School of Science, Osaka Prefecture University*)
 Yuta Oku, Hironori Yamaguchi, Toshio Ono, Akira Matsuo, Koichi Kindo, Hiroyuki Nojiri, Yuko Hosokoshi

- 6P077 Reversible Solvatomagnetic Switching in a Single-Ion Magnet with Thermo- and Vapochromic Dynamic Behaviour**
 Emilio Pardo* (*Institut de Ciència Molecular, Universitat de València*)
 Julia Vallejo, Isabel Castro, Miguel Julve, Francesc Lloret, Joan Cano
- 6P078 D_{5h}-Symmetric Dy(III) Single-Ion Magnets Based on Phosphine Oxides: Suppression of QTM, Micro-Squid Measurement and Luminescence Study**
 Yan-Cong Chen* (*School of Chemistry and Chemical Engineering, Sun Yat-Sen University*)
 Yan-Hua Lan, Liviu Ungur, Liviu F. Chibotaru, Wolfgang Wernsdorfer, Ming-Liang Tong
- 6P079 Syntheses, Structures, and SMM Behaviors of a Zn(II)-Ce(III)-Zn(II) Complexes with Threefold Symmetry**
 Natsumi Irie* (*Faculty of Science, Nara Women's University*)
 Saori Kayahara, Chika Takehara, Poh Ling Then, Yumiko Kataoka, Takashi Kajiwara, Tomoo Yamamura
- 6P080 Ferromagnetically Coupled Radical-Lanthanoid Complexes Showing Slow Reversal of Magnetization**
 Takuya Kanetomo* (*Department of Engineering Science, The University of Electro-Communications*)
 Toru Yoshitake, Hiroyuki Nojiri, Takayuki Ishida
- 6P081 Photoluminescence and SMM Property of Novel Lanthanoid Complexes with a Chiral Salen Ligand**
 Junji Yoshihara* (*Faculty of Science and Engineering, Kindai Univ.*)
 Norifumi Yamao, Takashi Okubo, Masahiko Maekawa, Takayoshi Kuroda-Sowa
- 6P082 Serendipitous Versus Tailored-Metalloligand Synthesis of Magnetic Molecular Architectures**
 Ivana Borilovic* (*Departament de Química Inorgànica, Universitat de Barcelona*)
 Olivier Roubeau, Guillem Aromi
- 6P083 Dy₃-Triangle SMM Based on the Trisbidentate HAT Ligand**
 Ismael F. Diaz Ortega* (*Department of Inorganic Chemistry, University of Granada*)
 Juan M. Herrera Martinez, Enrique Colacio
- 6P084 Crystal Structure and Slow Magnetic Relaxation Behavior of Dinuclear Dysprosium(III) Complex with Proton-Sensitive β -Diketonate Ligand**
 Hajime Kamebuchi* (*Department of Chemistry, Tokyo University of Science*)
 Taiho Yoshioka, Makoto Tadokoro
- 6P085 Switching Properties of Double-Decker Porphyrin Single-Molecule Magnets**
 Daisuke Tanaka* (*School of Science and Technology, Kwansei Gakuin University*)
 Nobuto Sumitani, Tomoko Inose, Hirofumi Tanaka, Naoto Ishikawa, Takuji Ogawa
- 6P086 μ SR Investigation on the Magnetic Order of p-Electrons in Superoxides of CsO₂ and NaO₂**
 Fahmi Astuti* (*RIKEN Nishina Center*)
 Dita P. Sari, Retno Asih, Greame Blake, Takashi Kambe, Mizuki Miyajima, Takeshi Kakuto, Takehito Nakano, Yasuo Nozue, Isao Watanabe
- 6P087 Influence of Intermolecular Interactions on Magnetic Observables**
 Juergen Schnack* (*Faculty of Physics, Bielefeld University*)
- 6P088 Influence of the Guest-Host Interactions on the Magnetic Behavior of Transition Metal Complexes: A Theoretical Study of the Zeolite-Y Embedded [M(bpy)₃]²⁺ Complexes (M = Fe, Co)**
 Andrea Missana (*University of Geneva*)
 Jan Pavlik, Andreas Hauser, Latévi M. Lawson Daku*
- 6P089 Configurational Isomerization as the Mechanism of Switching Magnetic Properties in Non-Transition Element Complexes: Computational Modeling**
 Alyona Starikova* (*Institute of Physical and Organic Chemistry at Southern Federal University*)
 Vladimir Minkin

- 6P090 Single Molecule Magnet Properties of Transition Metal Ions Encapsulated in Lacunary Polyoxometalates: A Theoretical Study**
Daniel Aravena* (*Departamento de Química de los Materiales, Universidad de Santiago de Chile*)
Diego Venegas-Yazigi, Eliseo Ruiz
- 6P091 Molecular Magnetic Properties Directly from the Dirac Equation: The New Paradigm**
Toru Shiozaki* (*Department of Chemistry, Northwestern University*)
- 6P092 Density Functional Study of Relation between Protonation Mode, Magnetism and Reactivity of Dinuclear Manganese Complexes**
Koichi Miyagawa* (*Graduate School of Science, Osaka University*)
Nayuta Suzuki, Shusuke Yamanaka, Toru Saito, Takahiro Numata, Takashi Kawakami, Kizashi Yamaguchi, Mihoko Yamada, Takumi Konno, Mitsutaka Okumura
- 6P093 Theoretical Study on Magnetic Susceptibility of Dilanthanide Single Molecule Magnet**
Yue Chen* (*Institute for Catalysis, Hokkaido University*)
Shigeyoshi Sakaki, Jun-ya Hasegawa
- 6P094 How to Model Molecular Magnetic Materials in QM/MM Calculations: A Theoretical Study Based on Linear Response Functions of Density and Spin Density**
Nayuta Suzuki (*Graduate School of Science, Osaka University*)
Shusuke Yamanaka*, Koichi Miyagawa, Yuki Mitsuta, Takashi Kawakami, Mitsutaka Okumura
- 6P095 Theoretical Study on Co Mononuclear and Dinuclear Complexes toward Exploring Single Molecular Magnets**
Archana Velloth* (*Department of Chemistry, Tokyo Metropolitan University*)
Yutaka Imamura, Hiroshi Sakiyama, Masahiko Hada
- 6P096 Magnetic Exchange Couplings in Transition Metal Complexes from Density Functional Theory**
Juan E. Peralta* (*Department of Physics and Science of Advanced Materials Program, Central Michigan University*)
- 6P097 Assessment and Modification of Semi-Empirical Molecular Orbital Theory for Describing Organic Radical Systems**
Toru Saito* (*Department of Chemistry, Osaka University*)
Yasutaka Kitagawa, Takahiro Numata, Takashi Kawakami, Shusuke Yamanaka, Mitsutaka Okumura
- 6P098 Quantum Phase Transition in the Twisted Three-Leg Spin Tube**
Keisuke Ito* (*Graduate School of Material Science, University of Hyogo*)
Shun Yokoo, Toru Sakai
- 6P099 UNO(ULO) DMRG Calculations of Effective Exchange Integrals for Exchange-Coupled Systems**
Takashi Kawakami (*Graduate School of Science, Osaka University*)
Shinsuke Sano, Toru Saito, Sandeep Sharma, Mitsuo Shoji, Satoru Yamada, Yu Takano, Shusuke Yamanaka, Mitsutaka Okumura, Takahito Nakajima, Kizashi Yamaguchi*
- 6P100 Tunneling-of-Magnetization Relaxation Rate of a Single-Molecule Magnet**
Le Tuan Anh Ho* (*Katholieke Universiteit Leuven*)
Liviu F. Chibotaru
- 6P101 Quantum Mechanics Calculation on Synthetic Model of Copper-Containing Dioxygenase**
Takahiro Numata* (*Graduate School of Science, Osaka University*)
Toru Saito, Takashi Kawakami, Shusuke Yamanaka, Mitsutaka Okumura
- 6P102 Conformational Energies and Molecular Force Field Parameters for Nitronyl Nitroxide Obtained by Quantum Chemical Calculations**
Akifumi Oda* (*Institute of Medical, Pharmaceutical and Health Sciences, Kanazawa University*)
Shuichi Fukuyoshi

- 6P103** *ab initio* Computations of Effective Exchange Integrals for Metallocene-TCNE,TCNQ Complex : Extention to DMRG-CASCI Method
Takashi Kawakami* (*Graduate School of Science, Osaka University*)
Shinsuke Sano, Kenichi Koizumi, Sandeep Sharma, Toru Saito, Mitsuo Shoji, Satoru Yamada, Yu Takano, Shusuke Yamanaka, Mitsutaka Okumura, Takahito Nakajima, Kizashi Yamaguchi
- 6P104** *ab initio* Computations of Effective Exchange Integral and Zero-Field Splitting Parameter for Single Molecular Magnets (Mn₁₂-Acetate Cluster)
Shinsuke Sano* (*Graduate School of Science, Osaka University*)
Takashi Kawakami, Shohei Yoshimura, Shusuke Yamanaka, Mitsutaka Okumura, Takahito Nakajima, Kizashi Yamaguchi
- 6P105** The Natural Orbital Based Pederson-Khanna (NOB-PK) Method for the DFT-Based Zero-Field Splitting Tensor Calculations of Transition Metal Complexes
Kenji Sugisaki* (*Department of Chemistry and Molecular Materials Science, Osaka City University*)
Kazuo Toyota, Kazunobu Sato, Daisuke Shiomi, Takeji Takui
- 6P106** Theoretical Pulse Simulations for Adiabatic Quantum Computing by Use of Molecular Spin Quantum Computers
Satoru Yamamoto* (*Department of Chemistry and Molecular Materials Science, Osaka City University*)
Taiki Shibata, Kenji Sugisaki, Shigeaki Nakazawa, Kazunobu Sato, Kazuo Toyota, Daisuke Shiomi, Takeji Takui
- 6P107** Room Temperature Chiral Discrimination using Paramagnetic NMR of Strongly Anisotropic Chiral Nanomagnets
Alessandro Soncini* (*School of Chemistry, University of Melbourne*)
Simone Calvello
- 6P108** Theoretical Study on the Relationships between Molecular Structure, Magnetic Property and Electron Conductivity of Tri-Nickel(II) Complex
Yasutaka Kitagawa* (*Department of Materials Engineering Science, Osaka University*)
Taku Takebayashi, Mizuki Asaoka, Koji Miyagi, Rena Teramoto, Yasuteru Shigeta, Masayoshi Nakano
- 6P109** Er Aryloxide Complexes as the Precursor of SMMs-CNTs Hybrids
Haitao Zhang* (*Graduate School of Science, Tohoku University*)
Ryo Nakanishi, Keiichi Kato, Masahiro Yamashita
- 6P110** A New Frustrated Diamond Cluster in Ni₄ Linked Cuban Structure
Hiromu Suto* (*Institute for Materials Research, Tohoku University*)
Hiroyuki Nojiri, Ming-Hua Zeng, Xueli Chen, Zwouyang Ouyang, Zhenxing Wang
- 6P111** A Stable Pentagonal-Bipyramidal Dy(III) Single Ion Magnet with a Record Magnetization Reversal Barrier over 1000 K
Jiang Liu (*School of Chemistry and Chemical Engineering, Sun Yat-Sen University*)
Yan-Cong Chen, Jun-Liang Liu*, Veacheslav Vieru, Liviu Ungur, Jian-Hua Jia, Liviu F. Chibotaru, Yanhua Lan, Wolfgang Wernsdorfer, Song Gao, Xiao-Ming Chen, Ming-Liang Tong
- 6P112** An Unusual Dinuclear Lanthanide Framework Exhibiting Single-Molecule Magnet Behavior
Zhang Xue-jing (*Department of Chemistry, NaiKai University*)
Meng Xi-xi*, Shi Wei, Cheng Peng
- 6P113** Mononuclear Lanthanide Complexes with Schiff Base Ligands: Dysprosium Analog Displays Single-Ion-Magnet Behavior
Hui-Lien Tsai* (*Department of Chemistry, National Cheng Kung University*)
Chun-Hung Chen
- 6P114** Rational Synthesis of Molecular Qubits
Danna E. Freedman* (*Northwestern University*)
Joseph M. Zadrozny, Michael J. Graham, Majed S. Fataftah

- 6P115 A New Family of 3d-4f Butterfly-Like $[M^{II}_2Ln^{III}_2]$ Complexes**
Robbie McNab* (*School of Chemistry, University of Edinburgh*)
Ross Inglis, Euan K. Brechin
- 6P116 The Mechanism of Bistability in Three Dithiazolyl Molecule-Based Magnetic Crystals**
Juan J. Novoa* (*Dept. of Materials Science and Physical Chemistry, University of Barcelona*)
Jordi Ribas-Ariño, Tommaso Francese, Sergi Vela, Mercè Deumal
- 6P117 Competition between Spin-Orbit Splitting and Kondo Effect in Fe-Phthalocyanine Molecule on Au(111)**
E. Minamitani* (*Department of Materials Engineering, The University of Tokyo*)
R. Hiraoka, N. Tsukahara, R. Arafune, S. Watanabe, M. Kawai, N. Takagi
- 6P118 In Air a Spin Crossover Active Iron(II) Complex of Amine/ $NCBH_3^-$ Ligands is Converted to a Low Spin Complex of Imine/CN- Ligands**
Jian Zhou* (*School of Chemical Engineering, Nanjing University of Science and Technology*)
Hao Hang, Xin Bao, Guo Peng, Jiri Tucek, Song Song Bao, Li Min Zheng
- 6P119 Mixed Phenyl and Thiophene Oligomers for Bridging Terminal Nitronyl Nitroxides**
Kubandiran Kolanji* (*Max Planck Institute for Polymer Research*)
Martin Baumgarten
- 6P120 Thiatriazinyl Radicals: A New Spin On A Classic Framework**
Jaelyn Brusso* (*University of Ottawa*)

Sep. 7th (Wed.)

Flash Presentation 7FP

Chair: Hiroyuki Nishikawa

- 7FP001 Construction of Spin Ladders by Nonplanar Nitronyl Nitroxide Radicals**
Kyohei Okuda* (*Graduate School of Science, Osaka Prefecture University*)
Kentaro Kikuchi, Naoki Amaya, Hironori Yamaguchi, Toshio Ono, Hiroyuki Nojiri, Yuko Hosokoshi
- 7FP002 Molecular Magnetism in Metal-Organic Frameworks**
Wei Shi* (*Department of Chemistry and Key Laboratory of Advanced Energy Materials Chemistry, Nankai University*)
Xiaoqing Liu, Peng Cheng
- 7FP003 Diamondoid Structure in a Metal Organic Framework of Fe_4 Single-Molecule Magnets**
Andrea Nava* (*Dipartimento di Scienze Chimiche e Geologiche, Università degli Studi di Modena e Reggio Emilia*)
Luca Rigamonti, Carri Cotton, Heinrich Lang, Tobias Rüffer, Roberta Sessoli, Lorenzo Sorace, Mauro Perfetti, Wolfgang Wernsdorfer, Yanhua Lan, Andrea Cornia
- 7FP004 Self-Assembled BDTDA Honeycomb Lattice Monolayer with a Zero-Bias Anomaly**
Rie Suizu* (*Department of Nanomaterials Science, Chiba University*)
Masayuki Yamamoto, Kazuyuki Sakamoto, Sudipta Dutta, Puneet Mishra, Tomonobu Nakayama, Katsunori Wakabayashi, Takashi Uchihashi, Kunio Awaga
- 7FP005 Direct Synthesis of Prussian Blue Nanoparticles within Liposome Using Ion Channels**
Tatsuru Hatae* (*Department of Chemistry, Kyushu University*)
Rina Koganemaru, Tomomi Koshiyama, Masaaki Ohba
- 7FP006 Phase Diagram and Slow Relaxation of Magnetization in a Cooperative Spin Crossover Complex**
Olivier Roubeau* (*Instituto de Ciencia de Materiales de Aragon (ICMA), CSIC and Universidad de Zaragoza*)
Ainhoa Urtizberea, Eva Natividad, Miguel Castro, Ramon Burriel
- 7FP007 Neutron Scattering in New Multiferroic Molecular Magnets**
José Alberto Rodríguez-Velamazán (*Materials Science Institute of Aragón, University of Zaragoza*)
Javier Campo*, Oscar Fabelo, Ángel Millan, Laurent Chapon, Roger Johnson

- 7FP008 Cu(II) Complexes with 2-Imidazoline-1-Oxides Manifesting Spin-Crossover-Like Phenomenon**
Natalia A. Artiukhova* (*International Tomography Center, SB, Russian Academy of Science*)
Svyatoslav E. Tolstikov, Galina V. Romanenko, Artem S. Bogomyakov, Kseniya Y. Maryunina,
Victor I. Ovcharenko
- 7FP009 Evidence of a Valence Delocalization Mediated and Electron Transfer Active $S=45$ Ground State in a Ferromagnetic Fe_{42} Nanomagnet**
Michael L. Baker* (*Institute for Materials Research, Tohoku University*)
Soonchul Kang, Tetsuya Nakamura, Takumi Kihara, Osamu Sato, Hiroyuki Nojiri
- 7FP010 Light-Induced Radical Trapping and Strongly Hysteretic Dimerization of Organic Radicals**
Michael Shatruk* (*Department of Chemistry and Biochemistry, Florida State University*)
Alina Dragulescu-Andrasi, Hoa Phan, Kristina Lekin, Stephen M. Winter, Richard T. Oakley
- 7FP011 Probing the Magnetism at the Local Scale :Complementarity of NMR and PND**
Siddhartha De (*Institut Parisien de Chimie Moléculaire, UPMC*)
A. Flambard, F. H. Köhler, N. Baumgärtel, K. Ridier, A. Mondal, C. Boilleau, O. Cador, B. Gillon,
G. Chaboussant, B. L. Guenic, K. Costuas, R. Lescouëzec*
- 7FP012 Giant Hysteresis of TbPc_2 on Magnesium Oxide**
Christian Wäckerlin (*Institute of Physics, Ecole Polytechnique Fédérale de Lausanne*)
Fabio Donati, Aparajita Singha, Romana Baltic, Stefano Rusponi, Katharina Diller, François Patthey,
Marina Pivetta, Yanhua Lan, Svetlana Klyatskaya, Mario Ruben, Harald Brune, Jan Dreiser*
- 7FP013 Multifunctional Metal-Radical Frameworks-A Radical Tool for Molecular Based Spintronic Materials**
Dominique Luneau* (*Laboratoire des Multimatériaux et Interfaces, Université Claude Bernard Lyon 1*)
- 7FP014 Gold Nanorod Single-Molecule Magnet Hybrids**
Dmitri Mitcov* (*Department of Chemistry, University of Copenhagen*)
Anders H. Pedersen, Liubov Mitcova, Euan K. Brechin, Stergios Piligkos
- 7FP015 Tuning the Single-Molecule Conductance of Extended Metal-Atom Chains by Electrochemical Gating**
Chun-hsien Chen* (*Department of Chemistry, National Taiwan University*)
Er-Chien Horng, Ching-Hwa Ho, Ta-Cheng Ting, Liang-Yan Hsu, Min-Jie Huang, Hao-Cheng Lu,
Chan-hsien Hsu, Shie-Ming Peng

Sep. 7th (Wed.)

Poster Session 7P

- 7P016 Artificial Ferrimagnetic Lattice Induced by Li-Ion Insertion in a Neutral Layered $[\text{Ru}_2^{\text{II,II}}]_2/\text{TCNQ}$ System**
Kouji Taniguchi* (*Institute for Materials Research, Tohoku University*)
Keisuke Narushima, Julien Mahin, Wataru Kosaka, Hitoshi Miyasaka
- 7P017 Semiquinone Radical Ligands for Strong Magnetic Coupling in Molecules and Extended Solids**
Jordan A. DeGayner* (*Department of Chemistry, Northwestern University*)
Ie-Rang Jeon, T. David Harris
- 7P018 Electronic State Modulation via Solvation/Desolvation Process in a Layered Ferrimagnet Composed of Paddlewheel $[\text{Ru}_2]$ Units and TCNQ**
Jun Zhang* (*Department of Chemistry, Tohoku University*)
Wataru Kosaka, Yoshihiro Sekine, Kouji Taniguchi, Hitoshi Miyasaka
- 7P019 Design of Metal-Organic Frameworks Possessing a Strong Donor Characteristic and the Control of Their Physical Properties**
Changxiao Dou* (*Department of Chemistry, Tohoku University*)
Wataru Kosaka, Yoshihiro Sekine, Kouji Taniguchi, Hitoshi Miyasaka

- 7P020 Porous Manganese(II) (1 α ,3 α ,5 α)-1,3,5-Cyclohexanetricarboxylate Frameworks Exhibiting Highly Selective Adsorption of Methanol**
Biao Zhou* (*Department of Chemistry, Nihon University*)
- 7P021 Metal-Organic Frameworks of Lanthanoid Binuclear Clusters**
Hikaru Iwami* (*Graduate School of Science, Tohoku University*)
Ryo Nakanishi, Keiichi Katoh, Breedlove K. Brian, Masahiro Yamashita
- 7P022 Synergistic Magnetic Behavior of Hofmann-Type Porous Coordination Polymer Solid Solutions**
Miho Tsuji* (*Department of Chemistry, Kyushu University*)
Akio Mishima, Tomomi Koshiyama, Masaaki Ohba
- 7P023 Ortho-Para Hydrogen Conversion in Cyanide-Bridged Porous Magnets**
Yuta Ohtsubo* (*Graduate School of Sciences, Kyushu University*)
Akio Mishima, Akihiro Hori, Tomomi Koshiyama, Masaaki Ohba
- 7P024 Guest Responsive Porous Magnets Having Dianion-Based Pseudo-Pillared-Layer Type Structure**
Narumi Tomokage* (*Department of Chemistry, Kyushu University*)
Akio Mishima, Tomomi Koshiyama, Masaaki Ohba
- 7P025 Magneto-Structural Correlation in a Nitric Oxide Clathrate of Magnetically-Bistable Fe(II) Pt(II) Porous Coordination Polymer**
Akio Mishima* (*Department of Chemistry, Kyushu University*)
Ryo Ohtani, Akihiro Hori, Ryotaro Matsuda, Susumu Kitagawa, Tomomi Koshiyama, Masaaki Ohba
- 7P026 *in situ* Magnetic and Dielectric Monitoring of Selective NO Adsorption from a Gate-Open-Type Chain Bundle to an No-Adducted Isomers**
Wataru Kosaka* (*Institute for Materials Research, Tohoku University*)
Jun Zhang, Yoshihiro Sekine, Kouji Taniguchi, Hitoshi Miyasaka
- 7P027 Magnetic Anisotropy Caused Two Magnetic Ground States for One Chiral Structure**
Li Li* (*Department of Chemistry, Hiroshima University*)
Sadafumi Nishihara, Katsuya Inoue, Mohamedally Kurmoo
- 7P028 The Effect of the Intercalated [MCP₂]⁺ Spins in the π -Stacked Pillared Layer Frameworks**
Hiroki Fukunaga* (*Department of Chemistry, Tohoku University*)
Yoshihiro Sekine, Wataru Kosaka, Kouji Taniguchi, Hitoshi Miyasaka
- 7P029 Fabrication of Thin Film Composed of Charge-Transferred Metal-Organic Framework**
Yoshihiro Sekine* (*Institute for Materials Research, Tohoku University*)
Wataru Kosaka, Kouji Taniguchi, Hitoshi Miyasaka
- 7P030 The Influence of Weak Anisotropy on Magnetocaloric Effect in 2D Layer Compound {[Mn^{II}(R-mpn)₂][Nb^{IV}(CN)₈]} \cdot 4H₂O**
Piotr Konieczny* (*Institute of Nuclear Physics, PAN*)
Szymon Choraży, Robert Pelka, Robert Podgajny, Tadeusz Wasiutyński, Barbara Sieklucka
- 7P031 Ionic Liquid Gel Formed with TEMPO-Substituted 1,2-Cyclohexanedimine Derivative and its Electrochemical Property**
Rieka Ichinoi* (*Department of Applied Chemistry, Waseda University*)
Yoshito Sasada, Hiryooyuki Nishide
- 7P032 Cu(II) Dinuclear Complex and MOFs**
Takashi Akitsu* (*Department of Chemistry, Tokyo University of Science*)
Chittaranjan Sinha, Amitabha Datta, Shingo Orita, Kana Kobayashi, Shinnosuke Tanaka
- 7P033 Development of MRI Contrast Agents Having Thermal Responsive Functions for Accumulation to the Tumor Tissues**
Takeru Araki* (*Graduate School of Pharmaceutical Science, Kyushu University*)
Shuhei Murayama, Tsuneo Saga, Noboru Koga, Ichio Aoki, Satoru Karasawa

- 7P034 Lanthanides-TTF Complexes Displaying Single Molecule Magnet Behaviour and Luminescence**
Lahcène Ouahab* (*Sciences Chimiques de Rennes, CNRS, Université de Rennes*)
Fabrice Pointillart, Olivier Cador, Stéphane Golhen
- 7P035 Binuclear Lanthanide-Radical Complexes Featuring Two Centers with Different Magnetic and Luminescence Properties**
Samira G. Reis (*Instituto de Química, Universidade Federal Fluminense*)
Matteo Briganti, Stéphane Soriano, Guilherme P. Guedes, Sergiu Calancea, Carmen Tiseanu, Miguel A. Novak, Miguel A. del Águila-Sánchez, Federico Totti, Fernando Lopez-Ortiz, Marius Andruh, Maria G.F. Vaz*
- 7P036 Giant Ferromagnetic π -d Interaction and Magnetoresistance in the Phthalocyanine Molecular Conductor**
Hiroshi Murakawa* (*Department of Physics, Osaka University*)
Mitsuo Ikeda, Akinori Kanda, Masaki Matsuda, Noriaki Hanasaki
- 7P037 Pressure-Induced Conductivity in a Neutral Non-Planar Spin-Localized Radical**
Manuel Souto* (*Institut de Ciència de Materials de Barcelona*)
HengBo Cui, Miriam Peña-Álvarez, Valentín G. Baonza, Harald O. Jeschke, Milan Tomic, Roser Valentí, Davide Blasi, Imma Ratera, Concepció Rovira, Jaume Veciana
- 7P038 Anion Polarity-Induced Unique Crystal and Electronic Structures in Purely Organic Paramagnetic Conductors**
Hiroki Akutsu* (*Graduate School of Science, Osaka University*)
Keita Ishihara, Jun-ichi Yamada, Shin'ichi Nakatsuji, Scott S. Turner, Yasuhiro Nakazawa
- 7P039 Phase Transition of Molecular Conductors Based on DSDTF Containing Ethylenedioxy Group**
Takashi Shirahata* (*Department of Applied Chemistry, Ehime University*)
Yusuke Oka, Shota Yamada, Akira Ueda, Hatsumi Mori, Yohji Misaki
- 7P040 Conducting and Magnetic Properties of Paramagnetic Cu(II) Complexes with Partially Oxidized TTF Moieties**
Hiroyuki Nishikawa* (*Graduate School of Science and Engineering, Ibaraki University*)
Atsushi Wachi, Takuya Shiga, Hiroki Oshio
- 7P041 High-Field Magnetization and Magnetoresistance in the Molecular Conductor $\text{TPP}[\text{Cr}(\text{Pc})(\text{CN})_2]_2$**
Time Tahara* (*Center for Advanced High Magnetic Field Science, Osaka University*)
Mitsuo Ikeda, Ryuta Ishii, Takanori Kida, Hiroshi Murakawa, Miki Nishi, Masaki Matsuda, Tamotsu Inabe, Noriaki Hanasaki, Masayuki Hagiwara
- 7P042 Supramolecular 2D Network Mediated via Sulfur's σ -Hole in a Conducting Molecular Crystal**
Chie Ohde (*Department of Chemistry, The University of Tokyo*)
Tetsuro Kusamoto, Hiroshi Nishihara*
- 7P043 Carrier Doping in $[\text{Ni}(\text{dmit})_2]$ Spin Ladder Structure by Using Solid State Ion Exchange**
Katsuya Ichihashi* (*Grad. Sch. Sci., Hiroshima Univ.*)
Sadafumi Nishihara, Daisuke Konno, Kseniya Maryunina, Katsuya Inoue, Kazuhiro Toyoda, Tomoyuki Akutagawa, Takayoshi Nakamura
- 7P044 Two Dimensional of Mixed-Valence Nickel-Bis-Dithiolene Semiconductor Showing Magnetic Phase Transition But Absence of Electrical Response**
C. Xue* (*State Key Laboratory of Materials-Oriented Chemical Engineering, Nanjing Tech University*)
H. Yang, X. M. Ren
- 7P045 One Dimensional Single-Chain Magnet Based on Lanthanide and BEDT Network**
Yong B. Shen* (*Department of Chemistry, Tohoku University*)
Goulven Cosquer, Masahiro Yamashita
- 7P046 Electronic Conductivity, Magnetic Ordering, and Reductive Insertion in Semiquinoid Metal-Organic Frameworks**
Lucy E. Darago* (*Department of Chemistry, University of California, Berkeley*)
Michael L. Aubrey, Chung J. Yu, Miguel I. Gonzalez, Jeffrey R. Long

- 7P047 Localized Spin Density Dependence of Giant Magnetoresistance in Phthalocyanine Molecular Alloyed Compound $\text{TPP}[\text{Cr}_x\text{Co}_{1-x}(\text{Pc})(\text{CN})_2]_2$**
 Ryota Ishii* (*Department of Physics, Osaka University*)
 Mitsuo Ikeda, Hiroshi Murakawa, Miki Nishi, Masaki Matusda, Tamotsu Inabe, Noriaki Hanasaki
- 7P048 Chemical Carrier Doping into a $[\text{Ni}(\text{dmit})_2]$ Molecular Spin Ladder**
 Ryo Machida* (*Department of Chemistry, Hiroshima University*)
 Sadafumi Nishihara, Kazuhisa Kunishio, Kseniya Maryunina, Katsuya Inoue, Tomoyuki Akutagawa, Takayoshi Nakamura
- 7P049 Multifunctional Material Based on One-Dimensional Rhodium(I)-Semiquinonato Complex: Ferromagnetic Coupling and Conductivity**
 Minoru Mitsumi* (*Graduate School of Material Science, University of Hyogo*)
 Yuuki Komatsu, Masahiro Hashimoto, Nobuaki Azuma, Yuji Miyazaki, Motohiro Nakano, Yasutaka Kitagawa
- 7P050 μSR Study of Non-Magnetic Anion Based Organic Superconductor $\lambda\text{-(BETS)}_2\text{GaCl}_4$**
 Dita P. Sari* (*RIKEN Nishina Center*)
 Retno Asih, Ko-ichi Hiraki, Yasuyuki Ishii, Toshihiro Takahashi, Takehito Nakano, Yasuo Nozue, Isao Watanabe
- 7P051 Control of Spin and Charge in Quasi-One-Dimensional Magnetic Molecular Conductor**
 Genta Kawaguchi* (*Graduate School of Science, Kyoto University*)
 Mitsuhiro Maesato, Tokutaro Komatsu, Tatsuro Imakubo, David Graf, Hiroshi Kitagawa
- 7P052 Crystal Structures and Physical Properties of the Molecular K_4 Crystals Formed by a Triangular π Radical Anion**
 Asato Mizuno* (*Graduate School of Science, Nagoya University*)
 Yoshiaki Shuku, Rie Suizu, Michio M. Matsushita, Masahisa Tsuchiizu, Kunio Awaga
- 7P053 A New Layered Perovskite-Like Multiferroics with Synchronous Occurrence of Dielectric and Magnetic Bistabilities**
 Wei-Xiong Zhang* (*School of Chemistry & Chemical Engineering, Sun Yat-Sen University*)
 Ming-Hua Zeng, Xiao-Ming Chen
- 7P054 Metal-Insulator Transition and Magnetotransport in Alpha''-Type BEDT-TTF Salts**
 Satoshi Iguchi* (*Institute for Materials Research, Tohoku University*)
 Megumi Kurosu, Naoki Yoneyama, Takahiko Sasaki
- 7P055 Coupling of Ferroelasticity and Canted Antiferromagnetism in the Two-Dimensional Organic-Inorganic Multiferroics**
 Yuki Nakayama* (*Department of Chemistry, Hiroshima University*)
 Jing Han, Kseniya Maryunina, Sadafumi Nishihara, Takashi Suzuki, Katsuya Inoue
- 7P056 A Unified Treatment of the Relationship Between Ligand Structure and Spin State in a Family of Iron(II) Complexes**
 Laurence J. Kershaw Cook (*School of Chemistry, University of Leeds*)
 Rafal Kulmaczewski, Simon A. Barrett, Robert J. Deeth, Malcolm A. Halcrow*
- 7P057 Variation of the Cooperativity and the Role of Ligand-Field States in Iron(II) Spin-Crossover Compounds**
 Pradip Chakraborty* (*Department of Chemistry, University of Washington*)
 Cristian Enachescu, Robert Bronisz, Sébastien Pillet, Itana Krivokapic, Celine Besnard, Phil Pattison, Andrea Marino, Marina Servol, Maciej Lorenc, Eric Collet, Andreas Hauser
- 7P058 Spin-State Energetics and Spin Crossover Phenomena in Octahedral Fe(II) Complexes-Through DFT and *ab initio* CASSCF Studies**
 Subrata Tewary* (*Indian Institute of Technology Bombay*)
 Gopalan Rajaraman
- 7P059 Spin-Crossover Phenomenon in a Pentanuclear Iron(II) Cluster Helicate**
 Zhao-Ping Ni* (*School of Chemistry & Chemical Engineering, Sun Yat-Sen University*)
 Zheng Yan, Wei Liu, Ming-Liang Tong

- 7P060 Flexibility, Multi(Meta)Stability and Hidden Phase in Spin-Crossover Materials**
 Guillaume Chastanet* (*CNRS, ICMCB, Univ. Bordeaux*)
 Mathieu Marchivie, Eric Milin, Véronique Patinec, Smail Triki, Sébastien Pillet, Kamel Boukheddaden, Suzanne Neville, Natasha Sciortino, Katrina A. Zenere, Cameron J. Kepert
- 7P061 Investigation of Valence Tautomeric Complexes using DFT and Experimental Techniques**
 Gemma K. Gransbury* (*School of Chemistry, University of Melbourne*)
 Robert W. Gable, Keith S. Murray, Rob Stranger, Colette Boskovic
- 7P062 Magnetic and Electronic Properties of Spin Crossover Complexes Fe(Ethyl Isonicotinate)₂M(CN)₄ (M = Ni, Pd, Pt)**
 Hitomi Shiina* (*Department of Chemistry, Toho University*)
 Jun Okabayashi, Masashi Takahashi, Takafumi Kitazawa
- 7P063 Ultimate Miniaturization in Fe / M (M = Co, Ni) Prussian Blue Analogues: Dinuclear Molecular Complexes Exhibiting Single Molecule Magnet, Photo - and Thermo-Induced Electron Transfer and Spin Crossover Properties**
 Abhishake Mondal* (*CNRS, CRPP, UPR 8641, Univ. Bordeaux*)
 Yoann Prado, Evangelia S. Koumoussi, Mathieu Rouzières, Pierre Dechambenoit, Corine Mathonière, Rodolphe Clérac
- 7P064 Spin Crossover Supramolecular Helicate Hosting a Single Ion Magnet**
 Leoni A. Barrios Moreno* (*Universitat de Barcelona*)
 Mohanad Darawsheh, Olivier Roubeau, Simon J. Teat, Guillem Aromi Bedmar
- 7P065 Mössbauer Studies of Symmetry Breaking Spin-State Transition and Thermal Hysteresis in Fe^{III} Spin-Crossover Complexes**
 João C. Waerenborgh* (*C²TN, Instituto Superior Tecnico, Universidade de Lisboa*)
 Bruno J. C. Vieira, Laura C. J. Pereira, Joana T. Coutinho, Isabel C. Santos, Vasco Gama
- 7P066 Heteroleptic Iron(III) Spin Crossover Complexes; Halogen Substitution Effects**
 Wasinee Phonsri* (*School of Chemistry, Monash University*)
 David S. Macedo, Boujemaa Moubaraki, Casey G. Davies, Guy N. L. Jameson, Keith S. Murray
- 7P067 Spin Transition Depending on Guest Molecules into Hofmann-Type Coordination Polymers**
 Yusuke Ueki* (*Department of Chemistry, Toho University*)
 Jun Okabayashi, Takafumi Kitazawa
- 7P068 On the Mechanism of Bistability in Molecule-Based Magnets: The Prototype PDTA Case**
 Tommaso Francese* (*Departament de Química Física, Universitat de Barcelona*)
 Merce Deumal, Jordi Ribas, Juan J. Novoa
- 7P069 Structure:Function Relationships in Fe(II) Complexes with Annealated Bypyridyl Ligands**
 Rafal Kulmaczewski* (*Department of Chemistry, University of Leeds*)
 Malcolm A. Halcrow
- 7P070 Heterospin Complexes Showing Spin Transition at Room Temperature**
 Svyatoslav E. Tolstikov* (*International Tomography Center, SB RAS*)
 Galina V. Romanenko, Artem S. Bogomyakov, Gleb A. Letiagin, Darya P. Zvereva, Victor I. Ovcharenko
- 7P071 Asymmetric 1,3,4-Thiadiazole Ligands for a Rational Design of Bimetallic Spin-Crossover Compounds**
 Denis Bittner* (*Institute of Inorganic and Analytical Chemistry, Johannes Gutenberg University Mainz*)
 Eva Rentschler
- 7P072 Toward Clusters Featuring Multi-Step Spin Transition**
 Shi-Ming Chen* (*College of Chemistry and Molecular Engineering, Peking University*)
 Ling Xu, Yin-Shan Meng, Xiao-Nan Yao, Shang-Da Jiang, Bing-Wu Wang, Song Gao
- 7P073 Pressure and Temperature Induced Phenomena in Cu(II)-Nitroxide Complexes**
 Kseniya Maryunina* (*Graduate School of Science and Center for Chiral Science, Hiroshima University*)
 Sadafumi Nishihara, Katsuya Inoue, Galina Romanenko, Victor Ovcharenko

- 7P074 Cyanide-Bridged Heterometallic Cage with Encapsulated Water Molecules**
Rong-Jia Wei* (*Graduate School of Pure and Applied Sciences, University of Tsukuba*)
Takuya Shiga, Graham N. Newton, Sadamu Takeda, Hiroki Oshio
- 7P075 Magnetic Bistability without Spin Transition Induced by the Flexible Coordination Geometry**
Sheng-qun Su* (*Institute for Materials Chemistry and Engineering, Kyushu University*)
Osamu Sato
- 7P076 Cyanide-Bridged Heterometallic Trigonal Bipyramidal Complex**
Ryouhei Nakahara* (*Graduate School of Pure and Applied Sciences, University of Tsukuba*)
Takuya Shiga, Rong-jia Wei, Hiroki Oshio
- 7P077 Polymorphism-Dependent Valence Tautomeric Behavior in a Binuclear Cobalt Complex**
Guo-Ling Li* (*Institute for Materials Chemistry and Engineering, Kyushu University*)
Shintaro Toyoda, Shinji Kanegawa, Osamu Sato
- 7P078 Multi-Step Phase Transition in Cyanide-Bridged Multi-Nuclear Complexes**
Masayuki Nihei* (*Department of Chemistry, University of Tsukuba*)
Yoshihiro Sekine, Karin Shiroyanagi, Marina Kato, Hiroki Oshio
- 7P079 Optical Absorption Spectrum of [Mn^{III}(taa)] Complex in the High-Spin State**
Yuya Sawada* (*Institute for Materials Research, Tohoku University*)
Shojiro Kimura, Kazuo Watanabe, Motohiro Nakano
- 7P080 Spin Crossover in Anionic Weak Ligand-Field Fe(III) Complexes**
Kazuyuki Takahashi* (*Department of Chemistry, Kobe University*)
Kiko Kawamukai, Suguru Murata, Mitsunobu Okai
- 7P081 Cooperative Spin Crossover Behavior of Schiff Base Iron(III) Complexes with π -Conjugated Anions**
Naoto Saigo* (*Department of Chemistry, Kumamoto University*)
Yusuke Sekimoto, Ryo Ohtani, Masaaki Nakamura, Shinya Hayami
- 7P082 Scan Rate Dependent Spin-Crossover and Porymorphs of Iron(II) Complex with an Imidazole Containing Bidentate Schiff Base Ligand**
Yukinari Sunatsuki* (*Graduate School of Natural Science & Technology, Okayama University*)
Takeshi Fujinami, Naohide Matsumoto, Seiichiro Iijima, Masaaki Kojima
- 7P083 Bimetallic Iron(II) Octacyanidorhenate(V) Spin Crossover Materials**
Szymon Chorazy* (*Faculty of Chemistry, Jagiellonian University in Krakow*)
Robert Podgajny, Koji Nakabayashi, Jan Stanek, Michal Rams, Shin-ichi Ohkoshi, Barbara Sieklucka
- 7P084 Modulating the Electron Transfer of {Co₂Fe₂} Molecular Squares in Solution**
Daniel Rosario-Amorin* (*CNRS, CRPP, UPR, University Bordeaux*)
Dmitri Mitcov, Diana Siretanu, Pierre Dechambenoit, Stephen M. Holmes, Corine Mathoniere, Rodolphe Clérac
- 7P085 Halogen Substituent Effect on the Spin-Crossover Property of Fe-qsal^X Complexes**
Takayoshi Kuroda-Sowa* (*Faculty of Science and Engineering, Kindai University*)
Rina Isobe, Norifumi Yamao, Takashi Okubo, Masahiko Maekawa
- 7P086 Triangular Tri-Iron(III) Complexes with S-Shaped Ligands**
Hiroki Murata* (*Faculty of Science and Engineering, Kindai University*)
Toshiharu Ishizaki, Norifumi Yamao, Kunihisa Sugimoto, Takashi Okubo, Masahiko Maekawa, Takayoshi Kuroda-Sowa
- 7P087 The Charge Transfer Phase Transition in an Iron-Mixed Valence Complex with Specific π -Conjugated Cations as Intercalants**
Masaya Enomoto* (*Tokyo University of Science*)
Masahiko Shirakawa, Hikari Izawa, Kiyoshi Sato, Atsushi Okazawa, Norimichi Kojima
- 7P088 Two-Step Spin-Crossover Photomagnetism in a Fe-Nb Cyanido-Bridged Metal Assembly**
Kenta Imoto* (*Department of Chemistry, The University of Tokyo*)
Shin-ichi Ohkoshi

- 7P089 Magnetic Properties of V-Substitution Effect in an Iron Mixed Valence Complex**
Norihiro Shida* (*Graduate School of Chemical Sciences and Technology, Tokyo University of Science*)
Yoshiki Suzawa, Atsushi Okazawa, Norimichi Kojima, Masaya Enomoto
- 7P090 Modified Switchable Iron(II) Complexes Based on the Spin Crossover System [Fe(dpp)₂(NCS)₂]_xPy**
Daniel Unruh (*Institute of Inorganic Chemistry, Leibniz University Hannover*)
Dominik Natke, Torben Meyer, Bastian Dreyer, Annika Preiss, Stephen Klimke, Ralf Sindelar, Goestar Klingelhofer, Franz Renz*
- 7P091 Photomagnetism in Bimetallic Hexanuclear M^{II}₄M^{IV}₂ (M^{II}=Fe; M^{IV}=Mo,W) Clusters**
Mirosław Arczynski* (*Faculty of Chemistry, Jagiellonian University*)
Dawid Pinkowicz, Barbara Sieklucka
- 7P092 Spin-State Switching in Cyanide-Bridged Fe^{II}-Fe^{III} Multinuclear Systems**
Stephen Klimke (*Department of Inorganic Chemistry, Leibniz University Hannover*)
Christoph Krueger, Annika Preiss, Dominik Natke*, Richard Zare, Goestar Klingelhofer, Ralf Sindelar, Franz Renz
- 7P093 Structure and Magnetic Property of Cobalt(II) Compounds with Adenine and Thymine Substituents**
Manabu Nakaya* (*Graduate School of Science and Technology, Kumamoto University*)
Hitomi Ohmagari, Ryo Ohtani, Shinya Hayami
- 7P094 Ferromagnetic Ni(II) Clusters with $\mu_{1,1}$ - R-Phenylcyanamido Ligands**
Berta Casanovas* (*Departament de química Inorgànica i Orgànica, Universitat de Barcelona*)
Saskia Speed, Ramon Vicente
- 7P095 Syntheses, Magnetostructural and Luminescence Studies of A[Mn₃O(R-SALOX)₃(O₂C-ANTHRA)₂] Compounds, A= Alkaline Cation**
Mohamed Salah El Fallah* (*Departament de química Inorgànica i Orgànica, Universitat de Barcelona*)
Berta Casanovas, Ramon Vicente
- 7P096 New Insights into the Comprehension of the Magnetic Properties of Mn(III) Dinuclear Compounds with General Formula [Mn(NN)L]₂(μ -O)(μ -RC₆H₄COO)₂X₂**
Montserrat Corbella* (*Departament de Química Inorgànica, Universitat de Barcelona*)
Luis Escriche-Tur, Belen Albela, Mercè Font-Bardia
- 7P097 Tuning SMM Behavior of Terbium Double-Deckers by Means of the Ligand**
Cristina Sáenz de Pipaón* (*Institute of Chemical Research of Catalonia*)
Nelson Giménez-Agulló, Louis Adriaenssens, Marta Filibian, Marta Martínez-Belmonte, Eduardo C. Escudero-Adán, Pietro Carretta, Pablo Ballester, Jose Ramon Galán-Mascarós
- 7P098 Angular-Resolved Magnetometry as a Characterization Approach for Single-Ion Anisotropy**
Shang-Da Jiang* (*Beijing National Laboratory of Molecular Science, Peking University*)
Song Gao
- 7P099 Photo-Induced Dynamics of Pt(dmit)₂ Salts: "Molecular Movie"**
Tadahiko Ishikawa* (*Department of Materials and Chemistry, Tokyo Institute for Technology*)
Stuart A. Hayes, Sercan Keskin, Gaston Corthey, Masaki Hada, Kostyantyn Pichugin, Alexander Marx, R.J. Dwayne Miller, Kenta Shionuma, Shin-ya Koshihara, Mitsushiro Nomura, Reizo Kato
- 7P100 Unusual Magnetic Interactions in Isotropic and Liquid Crystalline Phases of Hydrogen-Bonded Liquid Crystalline Nitroxides**
Sho Nakagami* (*Graduate School of Engineering Science, Osaka University*)
Takuya Akita, Daichi Kiyohara, Yoshiaki Uchida, Rui Tamura, Norikazu Nishiyama
- 7P101 Direct Observation of Finite Size Effects in Chains of Antiferromagnetically Coupled Spins**
Tatiana Guidi* (*ISIS facility, Rutherford Appleton Laboratory*)
B. Gillon, S. A. Mason, E. Garlatti, S. Carretta, P. Santini, A. Stunault, R. Caciuffo, J. van Slageren, G. A. Timco, R. E. P. Winpenny

- 7P102 Terahertz Radiation by Subpicosecond Magnetization Modulation in Ferrimagnets**
Yuto Kinoshita* (*Department of Advanced Materials Science, University of Tokyo*)
Noriaki Kida, Masato Sotome, Nozomu Ito, Tatsuya Miyamoto, Tsubasa Terashige, Yusuke Iguchi, Yoshinori Onose, Toshimitsu Ito, Yusuke Tokunaga, Takahisa Arima, Hiroshi Okamoto
- 7P103 Sandwich-Type Polyoxometalates with Trinuclear Lanthanoid Complexes: Synthesis, Structures and Magnetic Properties**
Daisuke Nishide* (*Graduate School of Environmental Science, Hokkaido University*)
Kazuya Kubo, Shin-Ichiro Noro, Takayoshi Nakamura
- 7P104 Coherent Multi-Microwave Excitation as Molecular Spin Quantum Technology for Quantum Computers**
Kazunobu Sato* (*Graduate School of Science, Osaka City University*)
Satoru Yamamoto, Taiki Shibata, Kenji Sugisaki, Shigeaki Nakazawa, Elham Hosseini, Koji Maruyama, Kazuo Toyota, Daisuke Shiomi, Yasushi Morita, Takeji Takui
- 7P105 Indirect Quantum Gate Implementation of Hyperfine Qubits by Use of Organic Radicals**
Shigeaki Nakazawa* (*Department of Chemistry and Molecular Materials Science, Osaka City University*)
Taiki Shibata, Daichi Yamamidori, Satoru Yamamoto, Elham Hosseini, Koji Maruyama, Kazuo Toyota, Daisuke Shiomi, Kazunobu Sato, Takeji Takui
- 7P106 External Control of Magnetic Behavior in Base Metal Complexes**
Matthew P. Shores* (*Colorado State University*)
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