

## SCHEDULE

### Monday, July 5<sup>th</sup>

**9 am-1.20 pm: Registration**

**1.20 – 2.20 pm: Opening ceremony**

**Chairman: Joulia Larionova**

**2.20 – 3.10 pm:** Plenary lecture 1, **S. Kitagawa**, “Integrated Pores and Multifunctionalities of Porous Coordination Polymers”

**3.10 – 3.30 pm:** Oral communication 1, **J. Navarro**, “Thermally and Chemically Robust Pyrazolate Based Porous Coordination Polymers for Separation Processes”

**3.30 – 3.50 pm:** Oral communication 2, **M. Knorr**, “Mono-, Dithio- and Tetrathioethers as Ligands in Coordination Chemistry: From Molecules to Luminescent Materials”

**3.50 – 4.10 pm:** Oral communication 3, **E. Barea** “Metal-organic frameworks: separation properties towards CH<sub>4</sub>/CO<sub>2</sub> mixtures”

**4.10 – 4.40 pm: Coffee break**

**Chairman: Azzedine Bousseksou**

**4.40 – 5.30 pm:** Plenary lecture 2, **C. R. A. Catlow**, “Computer modelling as a Predictive tool in the Chemistry of Complex Materials”

**5.30 – 5.50 pm:** Oral communication 4, **C. Ruiz-Perez** “Synthesis procedure vs. Temperature in Cobalt Molecular Magnetic Materials”

**5.50 – 6.10 pm:** Oral communication 5, **F. A. Almeida-Paz** “Engineering Optical Centers Into Multi-Functional Layered Coordination Polymers”

**6.10 – 6.30 pm:** Oral communication 6, **J. P. Sutter**, “The 4d/5d metal ions in molecular magnetism: what to expect when changing the bridging ligand”

**6.30 – 6.50pm:** Oral communication 7, **B. Le Guennic**, “Addressing magnetic interactions through weak-bond networks: ab initio inspections”

**6.50 – 7.10 pm:** Oral communication 8, **C. de Graaf**, “Study of the light-induced spin crossover in Fe<sup>II</sup>-tris(bipyridine) and Fe<sup>II</sup>(tetrazole)<sub>6</sub>”

**8 pm: Welcome Cocktail.**

## Tuesday, July 6<sup>th</sup>

**Chairman: Dominique de Caro**

**8.30 – 9.20 am:** Plenary lecture 3, **R. Sessoli**, “Magnetic molecules on surfaces and in hybrid structures”

**9.20 – 9.40 am:** Oral communication 9, **G. Molnar**, “Spin crossover nanomaterials: towards sensor applications”

**9.40 – 10.00 am:** Oral communication 10, **P. Pallavicini** “Molecular Self-Assembled Monolayers on NanoParticles Self-Assembled Monolayers: an easy optical method to calculate coating from molecular mixtures”

**10.00 – 10.20 am:** Oral communication 11, **T. Basova** “Electric Field Assisted Effects on Molecular Orientation and Surface Morphology of the films of nonplanar phthalocyanines”

**10.20 – 10.50 am: Coffee break**

**Chairman: Michael Hietschold**

**10.50 – 11.40 am:** Plenary lecture 4, **A. Halimaoui**, “On the Downscaling Challenges in Microelectronics”

**11.40 – 12.00 am:** Oral communication 12, **T. Nagamura** “Molecular and spatial control of ultrafast responses in the visible to optical telecommunication wavelength region by photoinduced and reverse electron transfer”

**12.00 – 12.20 pm:** Oral communication 13, **F. Camerel** “Probing magnetic interactions in liquid crystals of radical gold dithiolene complexes”

**12.20 – 2.20 pm: Lunch & Poster session**

**Chairman: Helen Chan**

**2.20 – 3.10 pm:** Plenary lecture 5, **J. I. Zink**, “Multifunctional Inorganic Nanoparticles for Targeting, Imaging and Drug Delivery”

**3.10 – 3.30 pm:** Oral communication 14, **T. Palmore** “A conductive coating that controls neuron adhesion and minimizes electrical impedance at a neural interface”

**3.30 – 3.50 pm:** Oral communication 15, **P. Kopcansky** “The Fredericksz transitions in Ferronematics-Liquid Crystals doped by Magnetic Nanoparticles”

**3.50 – 4.20 pm:** Keynote lecture 1, **L. D. Carlos**, “Luminescent temperature sensing using lanthanide-containing functional materials”

**4.20 – 4.50 pm: Coffee break**

**Chairman: Béatrice Delavaux-Nicot**

**4.50 – 5.40 pm:** Plenary lecture 6, **R. Martel**, “Tailoring Carbon Nanotube Properties by Sidewall Chemistry”

**5.40 – 6.00 pm:** Oral communication 16, **N. Kioussis**, “Anomalous Spin Transport in Magnetic Tunnel Junctions and Graphene Nanopatches”

**6.00 – 6.20 pm:** Oral communication 17, **A. Mateo-Alonso**, “Fullerenes: Multitask Components in Molecular Machinery”

**6.20 – 6.40 pm:** Oral communication 18, **J. Cambedouzou**, “Formation mechanism of double-walled carbon nanotubes from fullerenes peapods: a X-ray diffraction study”

**6.40 – 7.00 pm:** Oral communication 19, **D. E. Morse**, “Bio-Inspired, Kinetically Controlled, Low-Temperature Nanofabrication of Semiconductor and Ferroelectric Thin Films and Nanoparticles: Unique Advantages for High-Performance Li-ion Batteries”

**Wednesday, July 7<sup>th</sup>**

**Chairman: Euan Brechin**

**8.30 – 9.20 am:** Plenary lecture 7, **T. Mallah**, “Functional Molecular Nanomaterials”

**9.20 – 9.40 am:** Oral communication 20, **M. Meisel**, “Persistent Photoinduced Magnetism in Heterostructures of Prussian Blue Analogs”

**9.40 – 10.00 am:** Oral communication 21, **M. Affronte**, “Spin entanglement in supramolecular systems”

**10 – 10.30 am: Coffee break**

**Chairman: Valérie Marvaud**

**10.30 – 11.00 am:** Keynote lecture 2, **Y. Journaux**, “Engineering Magnetic Molecular Compounds: A Rational Synthesis of Molecule-Based Magnets, A Tribute to Olivier Kahn.”

**11.00 – 11.20 am:** Oral communication 22, **G. Aromi**, “Synthesis of Molecular Pairs of Weakly Coupled Cluster Nanomagnets”

**11.20 – 11.40 am:** Oral communication 23, **S. Brooker**, “Iron(II) triazole complexes: mono-, di- and tri-nuclear SCO complexes”

**11.40 – 12.00 am:** Oral communication 24, **K. Inoue**, “Magnetic Experimental Elucidation of Dzyaloshinsky-Moriya (DM) interactions in Structural Chiral Magnets”

**12.00 – 12.20 pm:** **European Awards to a Doctoral Thesis on Molecular Magnetism and Poster award.**

**12.20 – 2.20 pm:** **Lunch & Poster session**

**3.00 – 7.00 pm:** **Visit of Montpellier**

**7.00 - 12.00 pm:** **Conference diner**

## **Thursday, July 8<sup>th</sup>**

**Chairman: Dominique Luneau**

**8.30 – 9.20 am:** Plenary lecture 8, **J.-C. G. Bünzli**, “Lanthanide luminescence for Optical Materials and Bioanalyses” **New J. Chem. Invited Speaker**

**9.20 – 9.40 am:** Oral communication 25, **C. Reber**, “Pressure-induced structure changes involving bending modes in transition metal complexes and their influence on luminescence properties”

**9.40 – 10.00 am:** Oral communication 26, **H. Yersin**, “Organometallic OLED emitters-New trends, triplet harvesting and singlet harvesting”

**10.00 – 10.30 am:** **Coffee break**

**Chairman: Luis Carlos**

**10.30 – 11.20 am:** Plenary lecture 9, **K. Nakatani**, “Photon-driven switching of photon-related properties in photochromic systems”

**11.20 – 11.40 am:** Oral communication 27, **A. Karakas**, “Second harmonic generation and ab-initio calculations on second-order optical nonlinearity of p-nitrophenylazoaniline”

**11.40 – 12.00 am:** Oral communication 28, **J. Cole**, “Discovery of High-Performance Organic Non-Linear Optical Molecules by Systematic ‘Smart Material’ Molecular Design Strategies”

**12.00 – 12.20 pm:** Oral communication 29, **S. Ribeiro**, “Organic-Inorganic Hybrid Based on Bacterial-Cellulose as substrates for Flexible Organic Light Emitting Diodes”

**12.20 – 1.00 pm:** **Closing ceremony**