



With the support of :



INTERNATIONAL SYMPOSIUM LIA M3

"Multifunctional Molecules and Materials"

Yellow Auditorium

Campus Viña del Mar de Universidad Andrés Bello

December 12-13, 2019

PROGRAMME

Thursday, December 12, 2019

- 10:00 – 11:30 Registration and Poster Installation
- 11:30 – 12:00 Welcome Ceremony
- 12:00 – 13:00 **Plenary Conference 1:** Prof. Anna PROUST
President of the Coordination Chemistry Division of the French Chemical Society,
Sorbonne Université, Paris
Polyoxometalates : modular and transferable building blocks for functional molecular materials
- 13:00 – 14:20 Lunch



- 14:20 – 14:40 **Oral communication 1:** Dr. David VILLAMAN
Pontificia Universidad Católica de Valparaíso
Complejo de Mn^{III}, estudio estructural del fenómeno spin-crossover y termocromismo
- 14:40 – 15:00 **Oral communication 2:** Prof. Eric Le FUR
Ecole Nationale Supérieure de Chimie de Rennes, France
Combined X-ray powder diffraction and solid-state NMR characterization of layered Li and Na vanadium phosphates.
- 15:00 – 15:20 **Oral communication 3:** Dr. Carlos CRUZ
Universidad Andrés Bello
3d and 4f Coordination Compounds with different dimensionalities and properties
- 15:20 – 15:40 **Oral communication 4:** Prof. Álvaro MUÑOZ-CASTRO
Universidad Autónoma de Chile
Ligand-protected Gold Clusters. Optical and Excited State Properties from Calculations
- 15:40 – 16:00 **Oral communication 5:** Prof. Nancy PIZARRO
Universidad Andrés Bello
Kinetic and Mechanism of the Photochemistry of Rhenium Tricarbonyl Complexes: Dependence on the P,N-bidentate Ligand
- 16:00 – 16 :30 Poster discussion

Friday, December 13, 2019

- 09:00 – 10:00 **Plenary Conference 2:** Prof. Ramiro ARRATIA
Emeritus Professor, Universidad Andrés Bello
Molecular Engineering for Biological Applications
- 10:00 – 10:20 **Oral communication 6:** Dr. Bianca BALDO-HURTADO
Universidad de Santiago de Chile, CEDENNA
Synthesis and Characterization of precursors Anderson clusters functionalized with tris(alkoxo) ligands to the assembly with Ln^{III} cations
- 10:20 – 10:40 **Oral communication 7:** Prof. Alexander TRUJILLO
Universidad Andrés Bello
New difluoridoborate arene and ferrocene-based compounds

- 10:40 – 11:00 **Oral communication 8** : Mr. Jianyu WEY
 Université de Rennes 1
Electronic structures and bonding properties of organometallic palladium nanoclusters
- 11:00 – 11:30 Coffee Break /Poster discussion
- 11:30 – 11:50 **Oral communication 9**: Prof. Pablo FUENTEALBA-CASTRO
 Universidad de Chile
Lanthanide(III) species intercalated into MPS₃ (M^{II} = Cd or Mn)
- 11:50 – 12:10 **Oral communication 10**: Dr. Juan Oyarzo
 Pontificia Universidad Católica de Valparaíso
Organometallic Imines: Synthesis, Structural and Electrochemical Characterization, Theoretical Studies and Coordinating Properties
- 12:10 – 12:30 **Oral communication 11**: Dr. Walter CAÑON-MANCISIDOR
 Universidad de Santiago de Chile, CEDENNA
Mononuclear Hybrid Organic-Inorganic Lanthanide Complexes: The effect of the organic ligand on the magnetic and optical properties
- 12:30 – 12:50 **Oral communication 12**: Prof. Véronique GUERCHAI
 Université de Rennes 1
Iridium(III) Complexes Bearing Six-, Five-, and Four- Membered Chelated Ligands: A Strategy for Tuning the Emission
- 12:50 – 14:00 Lunch
- 14:00 – 14:20 **Oral communication 13**: Prof. Nathalie AUDEBRAND
 Université de Rennes 1
Methanol diffusion in MOFs: a combined PFG-NMR, X-ray diffraction and MD simulations approach

- 14:20 – 14:40 **Oral communication 14:** Prof. Néstor NOVOA
Universidad de Concepción
Transition Metal(II) and Lanthanide(III) complexes based on Schiff base and meso-porphyrin ligands: NLO-2 and Molecular Machinery Applications
- 14:40 – 15:40 **Plenary Conference 3:** Prof. Azzedine BOUSSEKSOU
Member of the French Academy of Sciences
Director of the CNRS Coordination Chemistry Lab (LCC), Toulouse
Molecular Spin Crossover Phenomenon at the nanoscale : Recent achievements and prospects
- 15:40 – 16:00 Closing Ceremony