

Advances in Structure-Property Correlations, the Gate for Special Properties at Molecular and Nano-Scale Levels

ADSPECPRO 2012, September 20-21st Bucharest, Romania

Scientific Program

Thursday, September 20 th		
09:00- 10:00 10:00- 10:30	Opening registration desk Opening Ceremony	
	Session 1 - Chaired by Mircea Diudea	
10:30- 11:00	1L1 . Mihai Girtu (Ovidius University of Constanța, Romania) "Structure, Exchange and Anisotropy of the Room-Temperature Molecular Magnets V(TCNE) ₂ "	
11:00- 11:30	1L2. Cristian Enachescu (Alexandru Ioan Cuza <i>University</i> , Iasi, Romania) "Models in spin crossover compounds: from mean-field to Ising and elastic approaches"	
11:30- 11:50	Coffee Break	
	Session 2 - Chaired by Snezana Zaric	
11:50- 12:20	2L3. Horst Borrmann (Max Planck Institute for Chemical Physics of Solids, Dresden, Germany)	
12:20- 12:50	"More Detailed Information from X-ray Diffraction Experiments" 2L4. Alessandro Stroppa (University of L'Aquila, Italy) "Interplay between hydrogen bondings, ferroelectricity and magnetism in multiferroic and magnetoelectric metal-organic frameworks"	
12:50- 14:00	Lunch Break	

Session 3 - Chaired by Mihai Girtu

14:00- 14:30	3L5 . Shi Wang (Institute of Advanced Materials (IAM), Nanjing University of Posts & Telecommunications, Nanjing, China)
	"Capped di-, tri-, and tetracyanometalates chemistry: a type of versatile building
	blocks for the construction of cyanide-bridged molecular architectures"
14:30- 15:00	3L6. Stefania Tanase Grecea (Van't Hoff Institute for Molecular Sciences,
	University of Amsterdam, Holland)
15:00- 15:30	"Short-range correlations in d-f cyanide-bridged assemblies" 21.7 Marilana Fashintaana (University of Busharast, Fasulty of Chamistry)
13.00- 13.30	3L7. Marilena Ferbinteanu (University of Bucharest, Faculty of Chemistry, Romania)
	"Magnetic Anisotropy in Case Studies: Synthesis, Structure, Properties."
	inaghene innsen ep) in cuse summes. Symmesis, si meim e, i vopelities.
	Coffee Break
15:30- 15:50	Conce break
	Session A. Cheired by Cristian Engelses
	Session 4 - Chaired by Cristian Enachescu
15:50- 16:20	4L8. Doina Humelnicu (Alexandru Ioan Cuza University, Iasi, Romania)
	"Coordinative Compounds of Actinide Ions With N,O-Donor Ligands"
16:20- 16:50	4L9 . Petre Badica (National Institute of Material Physics, Magurele, Bucharest, Romania)
	"Bulk superconducting MgB2 with different additions"
16:50- 17:20	4L10. Viorel Sandu (National Institute of Material Physics, Magurele, Bucharest
	Romania)
	"Anisotropy and Pinning Force Scaling in Polycrystalline MgB ₂ "
	Session 5 - Chaired by Petre Badica
17:20- 17:30	5SP1. Mihai Burdusel (National Institute of Material Physics, Magurele,
	Bucharest Romania)
	"Whiskers and bows of BiCo222 crystal objects: growth and characterization by
17.20 17.40	STM"
17:30- 17:40	5SP2. Olivia Moga (University of Bucharest, Faculty of Chemistry, Romania)
	"Short Hydrogen Bond in New Manganese (III) Naften Chain Complexes. Significant consequences of subtle packing changes"
17:40- 17:50	5SP3 . Florin Moscalu (University Ovidius, Constanta, Romania) "Structure and
17.10 17.50	Exchange Properties of M(TCNE)x High-Temperature Molecular Magnets, with
	M = V, Mn , and Fe''

Friday, September 21th

	Session 6 - Chaired by Mihai Putz
9:30- 10:00	6L11. Radu Tanasa (Alexandru Ioan Cuza University, Iasi, Faculty of Physics, Romania.) "Spontaneous and Light Induced Kinetic Thermal Hysteresis in Spin
10:00- 10:30	Transition Compounds" 6L12. Cornel Oprea (Ovidius University of Constanța, Constanta, Romania)
10.20 11.00	"Magnetic or Optical Properties of Systems Based on Transition Metal Complexes with Porphyrin and Bypiridine Ligands"
10:30- 11:00	6L13. <u>Laurentiu Stoleriu</u> (Alexandru Ioan Cuza University, Iasi, Faculty of Physics, Romania.)
	"Elastic Interaction Model For Hysteresis In Molecular Magnets"
11:00- 11:20	Coffee Break
	Session 7 - Chaired by Horst Borrmann
11:20- 11:50	7L14. Radu Silaghi-Dumitrescu (Institute of Technology Babes-Bolyai, Faculty of Chemistry and Chemical Engineering, Cluj, Romania) "The silk, the spin, and the tunnel to China"
11:50- 12:20	7L15. Snezana Zaric (University of Belgrade, Serbia)
12:20- 12:50	"Noncovalent interactions of aromatic molecules" 7L16. Ionel Mangalagiu (Alexandru Ioan Cuza University of Iasi,
	Romania) "Azaheterocycles Derivatives for Multiple Tasks"
12:50- 14:00	Lunch Break
	Session 8 - Chaired by Ionel Humelnicu
14:00- 14:30	8L17. Mihai Putz (West University of Timisoara, Romania) "Chemical Reactivity Driven by Biological Activity"
14:30- 15:00	8L18. Mircea Diudea (University Babes-Bolyai, Faculty of Chemistry and Chemical Engineering Cluj, Romania)
15:00- 15:30	"Fullerenes, next generation" 8L19. Fanica Cimpoesu (Institute of Physical Chemistry of the Romanian Academy, Bucharest, Romania) "New Harvests from Ligand Field Theory"

19:00

Coffee Break

Conference Dinner

Session 9 - Chaired by Radu Silaghi-Dumitrescu

16:50- 17:10	Clossing ceremony
	Prototypes in Coordination Chemistry."
	Romania) " New Co(II) And Ni(II) Cubane-Like Structure. Structural
16:40- 16:50	9SP9. Dinu Irina (University of Bucharest, Faculty of Chemistry,
	building-blocks in d-f assemblings"
16:20- 16:30	9SP8. Dana Stamate (University Ovidius, Constanta, Romania) "New
	"Size dependent thermal hysteresis in spin crossover nanoparticles"
	Romania)
16:10- 16:20	9SP7 . Atitoaie Alexandru (Alexandru Ioan Cuza University, Iasi,
	Crossover Compounds."
	" Structural Chemistry And Solid State Physics Of Mn (III) Spin-
	Chemistry, Romania)
16:00- 16:10	9SP6. Andreea Gheorghe (University of Bucharest, Faculty of
	Quasi-One-Dimensional Molecular Magnets"
	"Structure-Properties Correlations for Two Manganese-Porphyrin
15:50-16:00	9SP5 . Petre Panait (Ovidius University, Constanta, Romania)