

Programma scientifico

Martedì 3 settembre

- 15.00 – 17.00 Registrazione dei partecipanti
- 17.00 – 17.30 Apertura del Congresso
Gino Ferretti, *Magnifico Rettore*
Maria Careri, *Direttore del Dipartimento di Chimica*
Roberto Gobetto, *Presidente della Divisione di Chimica Inorganica, S.C.I.*
- 17.30 – 18.30 Chair: Gaetano Granozzi
PL1 U. Schubert, University of Vienna
Metal alkoxide derivatives: from basic coordination chemistry to applications
- 18.30 – 19.00 Chair: Claudio Pettinari
KN1 M.L. Terranova, Università di Roma, Tor Vergata
Metal nanoparticles coupled with carbon nanostructures
- 19.00 – 19.30 KN2 D. Osella, Università Piemonte Orientale
Pt(IV) complexes as anticancer prodrugs
- 19.30 Welcome Party
20.30 Concerto

Mercoledì 4 settembre

- 9.00 – 10.00 Chair: Francesco P. Fanizzi
PL2 V.L. Pecoraro, University of Michigan
De novo metalloenzyme design
- 10.00 – 10.15 OC1 R. Peruzzini, L. Banci, I. Bertini, S. Ciofi-Baffoni
Molecular mechanisms of protein trapping and maturation in the Inter Membrane Space (IMS) of mitochondria
- 10.15 – 10.30 OC2 S. Mirra, M. Strianese, S. Milione, C. Pellecchia
Cobaloximes as selective tools for H₂S sensing. A coordination based approach
- 10.30 – 10.45 OC3 G. Grasso, F. Bellia, D. La Mendola, A. Magrì, A. Pietropaolo, E. Rizzarelli
Metalloproteases and metal ions in Alzheimer's disease: recent findings
- 10.45 – 11.00 OC4 C. Nardon, A. Adami, G. Boscutti, L. Marchiò, L. Dalla Via, D. Fregona
Copper(II)- and ruthenium(III)-based complexes with promising anticancer activity
- 11.00 – 11.30 Coffee break
- 11.30 – 12.00 Chair: Alessia Bacchi
KN3 S. Ciofi Baffoni, CERM, Università di Firenze

12.00 – 12.15	OC5	<u>A. Galliani</u> , F. Arnesano, M. Losacco, G. Natile, F. Tadini-Buoninsegni, G. Bartolommei, M. R. Moncelli <i>MNK1, the first metal binding domain of ATP7A, binds cisplatin through its cysteines. First evidence for active cisplatin transport</i>
12.15 – 12.30	OC6	<u>D. Rogolino</u> , M. Carcelli, A. Bacchi, E. Fisicaro, C. Compari, M. Sechi, L. Naensen, N. Neamati <i>Chelating pharmacophores targeting metal cofactors as effective inhibitors of viral enzymes</i>
12.30 – 12.45	OC7	<u>G. Tamasi</u> , R. Cini <i>Synthesis, infrared, and X-ray diffraction studies for new manganese(II)- and copper(II)-oxicam drugs</i>
12.45 – 13.00	OC8	<u>A. Taglietti</u> , B. Bassi, E. Cabrini, G. Dacarro, P. Grisoli, P. Pallavicini, M. Patrini <i>Layer by layer assembly of nanomaterials for antibacterial applications</i>
13.00 – 13.15	OC9	<u>G. Malavasi</u> , V. Aina, G. Cerrato, G. Martra, G. Lusvardi, L. Menabue <i>Towards the controlled release of metal nanoparticles from biomaterials: physico-chemical, morphological and bioactivity features of Cu-containing sol gel glasses</i>
13.15 -13.30	OC10	<u>V. Oliveri</u> , A. Puglisi, M. Viale, C. Aiello, C. Sgarlata, G. Vecchio, J. Spencer <i>New multifunctional 8-hydroxyquinoline-appended cyclodextrins: exploring their antioxidant and metal binding abilities</i>
13.30 – 14.30	Lunch	
14.30 – 15.30	Poster session	
	Chair: Paolo Pelagatti	
15.30 – 16.00	KN4	P. Leoni, Università di Pisa <i>Soluble polycluster molecular frameworks</i>
16.00 – 16.15	OC11	<u>S. Todisco</u> , V. Gallo, M. Latronico, P. Mastroilli, U. Englert, P. Braunstein <i>Activation of P-C bond in thioether functionalized DPPA during the synthesis of PtM₂ clusters</i>
16.15 – 16.30	OC12	<u>G.P.M. Bignami</u> , A. Ceriotti, P.R. Mussini, C. Oliva, G. Longoni, S. Zacchini, M. Gaboardi, M. Mazzani, M. Riccò <i>Comparative investigations on Pt cluster salts</i>
16.30 - 16.45	OC13	<u>S. Gross</u> <i>From transition metal organically functionalized oxoclusters to thioclusters: versatile inorganic polynuclear precursors for functional materials</i>
16.45 – 17.00	OC14	<u>S. Zacchini</u> , I. Ciabatti, F. Fabrizi de Biani, C. Femoni, M. C. Iapalucci, G. Longoni <i>Metal segregation in bimetallic Co-Pd carbide carbonyl clusters</i>
17.00 – 17.30	Coffee break	

Chair: Angelo Montenero

- 17.30 – 18.00 KN5 G. Cacciamani, Università di Genova
Computational thermochemistry of inorganic materials: from superalloys to synthetic diamonds
- 18.00 – 18.15 OC15 M. D'Arienzo, R. Scotti, F. Morazzoni
The key roles of the porous architecture and crystal surfaces in upgrading the functional properties of oxide materials
- 18.15 – 18.30 OC16 C. Battocchio, I. Fratoddi, S. Mukherjee, M.V. Russo, G. Polzonetti
Molecular structure and organization of Au nanoparticles capped with molecular ligands investigated by NEXAFS
- 18.30 Assemblea della Divisione

Giovedì 5 settembre

Chair: Valerio Zanotti

- 9.00 – 10.00 PL3 C.J. Elsevier, University of Amsterdam
Labile palladium species and applications in catalysis
- 10.00 – 10.15 OC17 F. Ferretti, M. Viganò, E. Gallo, F. Ragaini
One pot synthesis of zerovalent palladium – olefin complexes from palladium(II) carboxylates with reduced 1,2-bis(arylimino)acenaphthenes (Ar-BIANH₂)
- 10.15 – 10.30 OC18 A. Biffis, M. Cipani, E. Bressan, C. Tubaro, M. Basato, C. Graiff, A. Venzo
Group 10 metal complexes with cis-chelating, macrocyclic dicarbene ligands bearing a bridging pyridyl group: synthesis, reactivity and catalytic activity
- 10.30 – 10.45 OC19 A. Ghisolfi, C. Fliedel, K. Y. Monakhov, A. Thibone, V. Rosa, R. Pattacini, P. Braunstein
Nickel complexes of thioether-functionalized PNP and PNP=S Ligands. Ethylene oligomerization and solvent- and temperature-dependent behaviour
- 10.45 – 11.00 OC20 D. Intriери, S. Le Gac, A. Caselli, B. Boitrel, E. Gallo
Synthesis of metal binaphthyl porphyrins to promote the cyclopropanation of olefins
- 11.00 – 11.30 Coffee break
- Chair: Adriana Saccone – Sessione congiunta con Gruppo Interdivisionale di Chimica per le Energie Rinnovabili (EnerCHEM)
- 11.30 – 12.00 KN6 A. Macchioni, Università di Perugia
Water oxidation catalyzed by iridium coordination complexes
- 12.00 – 12.15 OC21 A. Volpe, C. Tubaro, A. Sartorel, M. Bonchio, M. Di Valentin, L. Meneghini, C. Graiff
Novel dicarbene iridium(III) complexes: synthesis and catalytic activity in water oxidation reaction
- 12.15 – 12.30 OC22 A. Credi, S. Silvi, T. Avellini, C. Lincheneau, F. Vera Saz
Chemical functionalization of semiconductor nanocrystals for luminescence applications

12.30 – 12.45	OC23	<u>M. Favaro</u> , S. Agnoli, S. Leonardi, A. Moretto, D. Garoli, M. Cattelan, C. Durante, O. Schneider, J. Kunze, G. Granozzi <i>Cut&paste of graphene electrodes: bottom-up and top-down methods for the development of three-dimensional graphene-based materials</i>
12.45 – 13.00	OC24	<u>M. Furlotti</u> , F. Krumeich, R. Nesper <i>Rim functionalization of BN-heterographene</i>
13.00 – 13.15	OC25	<u>A. G. Marrani</u> , D. Dini, V. Novelli, R. Zanoni <i>Formation of oxyhydroxide species at the surface of electrochemically treated NiO thin films for solar cells applications: spectral signatures in XPS</i>
13.15 -13.30	OC26	<u>L. Maini</u> , D. Braga, V. Fattori, P. P. Mazzeo, A. Petrolati <i>Copper(I) iodide: a good candidate for OLEDs</i>
13.30 – 14.30	Lunch	
14.30 – 15.30	Poster session	
15.30 – 16.30	Chair: Alberto Albinati PL4. Chini Lecture	B. Chaudret, INSA, Toulouse <i>Synthesis, surface chemistry and some physical properties of organometallic nanoparticles</i>
16.30 – 17.00	Coffee break	
Sessione parallela	OC27 – OC32 Chair: Giorgio Pelosi	
17.00 – 17.15	OC27	<u>G. Di Carlo</u> , A. Orbelli Biroli, F. Tessore, M. Pizzotti <i>Zn(II)-porphyrinates with a dithienylethylene moiety linked in β-pyrrolic position by different π bridges: a panchromatic-dye approach to PSSCs</i>
17.15 – 17.30	OC28	<u>M. Benedetti</u> , C. R. Barone, C. R. Girelli, F. P. Fanizzi, G. Natile, L. Maresca <i>Activation of C-H bond in the coordination sphere of platinum(II)</i>
17.30 – 17.45	OC29	<u>M. Panigati</u> , D. Villa, C. Cebrian Avila, M. Mauro, L. Maggini, L. De Cola, M. Natali, G. D'Alfonso <i>Supramolecular nanostructures by self-organization of dinuclear Re(I) complexes</i>
17.45 – 18.00	OC30	<u>C. Giacobbe</u> , S. Galli, A. Maspero, N. Masciocchi, A. Comotti <i>The chemist playground: a molecular meccano toward nano-honeycombs</i>
18.00 – 18.15	OC31	<u>M. Rancan</u> , J. Tessarolo, S. Quici, L. Armelao <i>Chemical effectors vs. physical stimuli in a constitutional dynamic library of Cu(II) coordination polygons</i>
18.15 – 18.30	OC32	<u>M.A. Lucchini</u> , P. Riani, M. Alloisio, F. Canepa <i>Fluorescent magnetic nanostructures as model for drug delivery systems</i>

Sessione parallela	OC33 – OC38	
	Chair: Chiara Massera	
17.00 – 17.15	OC33	<u>M. Chiesa</u> , S. Maurelli, G. Berlier, E. Giamello <i>Structure and reactivity of transition metal ions in the framework of aluminophosphate molecular sieves. New evidences from advanced EPR methods</i>
17.15 – 17.30	OC34	<u>F. Costantino</u> , M. Taddei, R. Vivani, M. Nocchetti, A. Donnadio <i>Novel functional materials based on zirconium carboxyphosphonates with different dimensionality</i>
17.30 – 17.45	OC35	<u>E. Boanini</u> , M. Gazzano, A. Bigi <i>Crystalline calcium alendronate obtained by octacalcium phosphate digestion</i>
17.45 – 18.00	OC36	<u>L. Carlucci</u> , G. Ciani, E. Bossi, M. Visconti, D. M. Proserpio, S. Rizzato, A. Albinati <i>From β-diketonate complexes to highly porous heterometallic coordination networks</i>
18.00 – 18.15	OC37	<u>A. Fermi</u> , G. Bergamini, P. Ceroni, M. Gingras <i>Polysulfurated aromatic molecules as ligands in multichromophoric supramolecular networks</i>
18.15 – 18.30	OC38	<u>A. Ienco</u> , M. Caporali, F. Costantino, A. Guerri, M. Taddei <i>Relationships between strips, ladders, waves, 1D tubes and 3D networks in coordination polymers based on diphosphinate and bi-pyridine ligands</i>
20.00	Social dinner	

Venerdì 6 settembre

	Chairs: Maurizio Peruzzini, Antonio Tiripicchio	
9.00 – 10.00	PL5. Sacconi Medal	P. Braunstein, Institut de Chimie, Université de Strasbourg <i>Using the diversity of the metal – Ligand interplay in molecular chemistry. Design or serendipity?</i>
10.00 – 10.15	OC39	<u>E. Gallo</u> , A. Caselli, F. Ragaini, D. Intriari, P. Zardi <i>Synthesis of biological compounds by ruthenium porphyrin-catalysed amination of benzylic C-H bonds</i>
10.15 – 10.30	OC40	<u>M. R. Plutino</u> , M. P. Gullo, G. De Luca, A. Romeo, A. Rosa, G. Ricciardi, L. Monsù Scolaro <i>Reactivity of square planar platinum(II) complexes towards porphyrins: a new synthetic route to platinum(II) insertion</i>
10.30 – 10.45	OC41	<u>C. Cerrone</u> , G. Caserta, R. Vitale, F. Nastri, O. Maglio, V. Pavone, A. Lombardi <i>Developing new artificial heme-enzymes for catalytic applications</i>
10.45 – 11.00	OC42	<u>A. Caselli</u> , B. Castano, E. Gallo, V. Dal Santo, D. J. Cole-Hamilton <i>Silica “SHB” chiral Pc-L* Cu(I) complexes for continuous flow cyclopropanation reactions with carbon dioxide as a carrier</i>

11.00 – 11.30	Coffee break
	Chair: Mauro Carcelli
11.30 – 12.00	KN7 B. Milani, Università di Trieste <i>Palladium catalyzed CO/vinyl arene and ethylene/acrylate copolymerizations: analogies and differences</i>
12.00 – 12.15	OC43 <u>M. L. Mercuri</u> , M. Atzori, F. Artizzu, E. Sessini, A. Serpe, P. Deplano, S. Benmansour, M. Clemente-León, G. Minguez-Espallargas, P. Gómez-Claramunt, A. Abhervé, C. J. Gómez-García <i>A new family of porous molecular chiral magnets with tunable T_c</i>
12.15 – 12.30	OC44 <u>V. Gallo</u> , P. Mastroilli, M. Latronico, S. Todisco, J. Forniés, C. Fortuño <i>Coordination chemistry of platinum in uncommon oxidation states and ^{195}Pt NMR spectroscopy</i>
12.30 – 12.45	OC45 <u>L. Rigamonti</u> , A. Pasini, A. Forni, A. Ponti, A. M. Ferretti <i>Experimental and theoretical studies on magneto-structural correlation on hydroxydo-bridged trinuclear copper complexes $[\text{Cu}_3(\mu_3\text{-OH})(\text{L})_3](\text{ClO}_4)_2$ with tridentate Schiff base ligands L^-</i>
12.45 – 13.00	OC46 <u>P. Dolcet</u> , S. Gross, S. Diodati, M. Casarin <i>From colloids to functional materials: different wet-chemistry synthesis routes to metal oxide nanostructures</i>
13.00 – 13.15	OC47 <u>A. P. Minoja</u> <i>New technological development in multinuclear NMR</i>
13.15 -13.30	OC48 <u>R. Pattacini</u> <i>Inorganic and General Chemistry aspects of conventional and non-conventional weapons demilitarization</i>
13.30 – 14.30	Farewell party
	Chair: Roberto Gobetto
14.30 – 15.30	PL6. Premio Nasini S. Orlanducci, Università di Roma, Tor Vergata <i>The bright future of nanocarbon materials</i>
15.30 – 16.00	KN8: Premio Tesi di Dottorato A. Meduri, Università di Trieste <i>Homogeneous catalysts for ethylene/polar monomer copolymerization: a challenging reaction</i>
16.00	Chiusura dei lavori