

# **NORG2022**

**XLVIII Italian Conference of Inorganic Chemistry**

**6-9 September 2022 - Pisa, Polo San Rossore**

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## **FULL PROGRAMME**

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## ***Welcome!***

The XLVIII Conference of the Inorganic Chemistry Division of the Italian Chemical Society will be held in Pisa, from 6 to 9 September 2022.

The Conference location is at Polo San Rossore (Via Risorgimento 19A), that is at walking distance from Piazza dei Miracoli and the historical city centre.

Contributions deal with the most recent advances in the areas of bioinorganic and medicinal chemistry, materials chemistry, organometallic chemistry and catalysis, covering the richness and diversity of compounds and materials, techniques and applications.

We wish you a wonderful time in Pisa, fruitful of new ideas, collaborations and networks!

***The Organizing Committee***

## **Scientific Committee**

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Mario Chiesa - University of Turin

Francesco Paolo Fanizzi - University of Salento

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Simona Samaritani - Dept. of Chemistry and Industrial Chemistry

Marco Taddei - Dept. of Chemistry and Industrial Chemistry

# SCIENTIFIC PROGRAMME

**Tuesday 06 September 2022**

12:00 - 14:30	<b>Registration</b>	
14:30 - 14:45	<b>Opening ceremony - Aula A</b> <b>Chair: Alceo Macchioni, Chiara Gabbiani, Fabio Marchetti</b> <b>with the participation of:</b> <b>Michele Conti</b> , Mayor of Pisa <b>Lorenzo di Bari</b> , Director of the Dept. of Chemistry, University of Pisa	
14:45 - 15:35	<b>PL1 – Gilles Gasser</b> PSL University ParisTech <i>Metal complexes as diagnostics and therapeutics</i>	
15:35 - 16:05	<b>KN1 – Aurore Fraix</b> University of Catania <i>Photoactivatable release of unconventional therapeutic agents</i>	
16:05 - 16:30	<b>Coffee break</b>	
	<b>Session 1 - Aula A</b> <b>Chair: Mario Chiesa</b>	<b>Session 2 - Aula B</b> <b>Chair: Cristina Femoni</b>
16:30 - 16:50	<b>Ad hoc O1A - Ilaria Fratoddi</b> Sapienza University of Rome <i>Fluorene-stabilized gold nanoparticles/polymer hybrid blends for advanced optoelectronics applications</i>	<b>Ad hoc O1B - Diego Tesaro</b> University of Naples "Federico II" <i>N-Heterocyclic carbene (NHC) gold(I) complexes targeting the Thioredoxin system: a mass spectrometry study</i>
16:50 - 17:05	<b>OC1A-P</b>	<b>OC1B – Michele Benedetti</b> University of Salento <i>Antiviral active platinum coordination compounds</i>
17:05 - 17:20	<b>OC2A – Mattia Cattelan</b> University of Padova <i>Empty-state band mapping a new tool for material band engineering</i>	<b>OC2B – Silvia Ciambellotti</b> University of Florence <i>Ferritin carriers to deliver Ru(II)-photosensitizers into cancer cells for photodynamic therapy</i>
17:20 - 17:35	<b>OC3A – Alessio Gabbani</b> University of Pisa <i>Converting infrared light into heat with plasmonic indium tin oxide nanocrystals</i>	<b>OC3B – Damiano Cirri</b> University of Pisa <i>Structural modification of Auranofin: a smart approach for disclosing new anticancer drugs</i>

17:35 - 17:50	<b>OC4A – Lorenzo Gontrani</b> University of Rome "Tor Vergata" <i>Novel synthesis of metal oxide nanoparticles from type IV deep eutectic solvents</i>	<b>OC4B – Giacomo Drius</b> University of Bologna <i>Novel metalacyclic systems of Ru(II) as potential anticancer derivatives: chemistry and bioactivity</i>
17:50 - 18:05	<b>OC5A – Francesca Tajoli</b> University of Padova <i>Does space confinement affect the crystallization of inorganic systems?</i>	<b>OC5B – Noemi Pagliaricci</b> University of Camerino <i>Expanding the biological potentials of curcumin analogues as ligands for Ru(II) and Os(II) half-Sandwich complexes</i>
18:05 - 18:20	<b>OC6A - Laura Agnarelli</b> Max-Planck Institute for Chemical Physics of Solids <i>Synthesis and crystal structure investigation of Be<sub>3</sub>Ru</i>	<b>OC6B – Daphne Romani</b> University of Camerino <i>Novel Gallium(III) acyl-pyrazolone complexes promote cancer cell death by ferroptosis</i>
18:20 - 18:35	<b>OC7A - Giulia Rando</b> University of Messina <i>Functional eco-friendly hybrid polymers for electrospun nanofiber filtration membranes</i>	<b>OC7B – Stefano Scoditti</b> University of Calabria <i>Photo-catalytic reduction of platinum(IV) complexes by riboflavin: computational insights on the catalytic mechanism</i>
18:35 - 18:50	<b>OC8A – Riccardo Freccero</b> University of Genova <i>Negatively charged magnesium core within the fused polyicosahedral units of Ca<sub>9</sub>CuMg<sub>4</sub></i>	<b>OC8B – Mario Prejanò</b> Stockholm University <i>Computational investigation of reaction mechanism of Mg<sup>2+</sup>-dependent human PAICS, an emergent target for anticancer therapies</i>
	<b>Aula A</b> <b>Chair: Sergio Stoccoro</b>	
19:00 - 19:50	<b>PL2 – Claudio Pettinari</b> University of Camerino <i>From Lucretius to Natta, chemistry for the progress of society</i>	
20.00 - 21:00	<b>Welcome Party</b>	

## Wednesday 07 September 2022

	<b>Aula A</b> <b>Chair: Mario Chiesa</b>	
9:00 - 9:50	<b>PL3 Malatesta Medal 2022 – Paolo Fornasiero</b> University of Trieste <i>From metal to metal-free heterogeneous catalysts: a journey into more sustainable chemical processes</i>	
9:50 - 10:20	<b>KN2 – Massimiliano D'Arienzo</b> University of Milano Bicocca <i>Playing with morphology and hybrid interfaces: an ambitious route for integrating oxide nanomaterials in applied technologies</i>	
10:20 - 10:45	<b>Coffee break</b>	
	<b>Session 3 - Aula A</b> <b>Chair: Rinaldo Poli</b>	<b>Session 4 - Aula B</b> <b>Chair: Francesco Paolo Fanizzi</b>
10:45 - 11:05	<b>Ad hoc O2A - Marco Baron</b> University of Padova <i>Manganese(III) complexes with tetradentate O<sup>+</sup>C<sup>+</sup>C<sup>+</sup>O ligands: synthesis, characterization and catalytic studies on the CO<sub>2</sub> cycloaddition with epoxides</i>	<b>Ad hoc O2B - Valentina Notarstefano</b> Polytechnic University of Marche <i>New evidence on the action of cisplatin, 5-fluorouracil, and 5-azacytidine on primary OSCC cells by Raman microspectroscopy</i>
11:05 - 11:20	<b>OC9A – Giulio Bresciani</b> University of Pisa <i>Metal N,N-dialkylcarbamates as catalysts for CO<sub>2</sub> conversion and sulfide oxidation reactions</i>	<b>OC9B – Alessia Belloni</b> Polytechnic University of Marche <i>FTIRM: an analytical approach to test the effectiveness of Cisplatin treatment on PON2 silenced OTSCC cells</i>
11:20 - 11:35	<b>OC10A – Alessandro Caselli</b> University of Milan <i>Ammonium ferrates and zincates as catalyst in the cycloaddition of CO<sub>2</sub> to epoxides and aziridines</i>	<b>OC10B – Barbara Chiavarino</b> Sapienza University of Rome <i>Biding motifs of carboplatin and oxaliplatin with guanine characterized by a combined IRMPD, CID-MS and computational approach</i>
11:35 - 11:50	<b>OC11A – Ferdinando Costantino</b> University of Perugia <i>Metal-organic frameworks based on flexible perfluorocarboxyalkyl linkers. Increasing affinity towards CO<sub>2</sub> adsorption</i>	<b>OC11B – Veronica Ghini</b> University of Florence <i>Cellular effects of ferritin-encapsulated auranofin</i>
11:50 - 12:05	<b>OC12A – Fabio Ragaini</b> Università di Milano <i>Palladium/phenanthroline catalysed synthesis of N-heterocycles by reduction of nitro compounds by CO surrogates: recent progresses and mechanistic studies</i>	<b>OC12B – Lara Massai</b> University of Florence <i>An ESI-MS study to gain an insights on interactions between a synthetic C-terminal peptide hTrxR(488-499) and gold(I) complexes</i>

	<b>Aula A</b> <b>Chair: Francesco Paolo Fanizzi</b>	
12:10 - 12:30	<b>PhD Medals – Leonardo Tensi</b> University of Perugia <i>From olefin polymerization to NADH regeneration: a “coast to coast” in the organometallic catalysis</i>	
12:30 - 12:50	<b>PhD Medals – Marianna Tosato</b> University of Padova <i>Chelation of non-conventional radiometals for tumour diagnosis and therapy</i>	
13:00 - 15:00	<b>Lunch and posters (free time)</b>	
	<b>Aula A</b> <b>Chair: Andrea Ienco</b>	
15:00 - 15:50	<b>PL4 Nasini Medal 2022 – Marco Taddei</b> University of Pisa <i>Zirconium-based metal-organic frameworks: tougher than the rest</i>	
15:50 - 16:20	<b>KN3 – Elisabetta Iengo</b> University of Trieste <i>(Metallo)porphyrins in discrete metal-mediated assemblies</i>	
16:20 - 16:40	<b>Coffee break</b>	
	<b>Session 5 - Aula A</b> <b>Chair: Diego La Mendola</b>	<b>Session 6 - Aula B</b> <b>Chair: Laura Prati</b>
16:40 - 17:00	<b>Ad hoc O3A - Daniela Valensin</b> University of Siena <i>Impact of metal ions on the neuroprotective role of natural compounds</i>	<b>Ad hoc O3B - Maria Rosaria Plutino</b> CNR Palermo <i>Design and development of innovative (multi)functional materials for sustainable applications</i>
17:00 - 17:15	<b>OC13A – Alessia Giordana</b> University of Turin <i>Hydroxyapatite: beyond the classical applications</i>	<b>OC13B – Claudia Crestini</b> Ca' Foscari University of Venice <i>Natural polyphenol-based electrospun carbon nanofibres</i>
17:15 - 17:30	<b>OC14A – Fabio Carniato</b> University of Piemonte Orientale <i>Synthesis and characterisation of nanogels embedding Gd<sup>3+</sup>-chelates as MRI probes</i>	<b>OC14B – Lorenzo Lisuzzo</b> University of Palermo <i>The role of alkaline activation on the design of nanotubular organoclays: a combination of computational and experimental perspectives</i>
17:30 - 17:45	<b>OC15A – Alessandro Nucera</b> University of Piemonte Orientale <i>Combining relaxometric, potentiometric and spectrophotometric data for the characterization of Fe(III)-based complexes in aqueous solution</i>	<b>OC15B – Enrico Boccaleri</b> University of Piemonte Orientale <i>Reactions in cementitious materials: the inorganic chemistry that builds the world</i>



17:45 - 18:00	<b>OC16A – Cristina Pavan</b> University of Turin <i>Layered silicates and biomembranes: which features dictate the interaction?</i>	<b>OC16B – Luca Tortora</b> Roma Tre University <i>Intercalation and exfoliation of graphite by inorganic acids: a combined experimental and theoretical approach</i>
18:00 - 18:15	<b>OC17A – Martina Marsotto</b> Roma Tre University <i>Chitosan covalently functionalized with peptides mapped on vitronectin and BMP-2 for bone tissue engineering</i>	<b>OC17B-P</b>
18:15 - 19:15	<b>Poster Session</b>	
19:15 - 20:00	<b>Divisional Assembly</b>	

## Thursday 08 September 2022

	<b>Aula A</b> <b>Chair: Silvia Gross</b>	
9:00 - 9:50	<b>PL5 Chini Lecture 2022 – Bettina Lotsch</b> Max Planck Institute Stuttgart <i>Optoelectronics meets optoionics: energy conversion and light storage in 2D molecular frameworks</i>	
9:50 - 10:20	<b>KN4 – Emma Gallo</b> University of Milan <i>Heterocycle synthesis promoted by porphyrin-based catalytic systems</i>	
10:20 - 10:40	<b>Coffee break</b>	
10:40 - 10:45 Introduction	<b>Session 7 - Dedicated to Giacomo Ciamician</b> <b>Aula A</b> <b>Chair: Alceo Macchioni</b>	<b>Session 8 - Dedicated to Achille Panunzi</b> <b>Aula B</b> <b>Chair: Francesco Ruffo</b>
10:45 - 11:05	<b>Ad hoc O4A - Enrico Salvadori</b> University of Turin <i>Light-induced generation of metastable paramagnetic species in carbon nitride</i>	<b>Ad hoc O4B - Andrea Di Giuseppe</b> University of L'Aquila <i>Highly active rhodium(I)-NHC catalysts bearing chelate heteroatomic ligands for gem-specific alkyne dimerization: the role of metal-ligand cooperation</i>
11:05 - 11:20	<b>OC18A-P</b>	<b>OC18B – Martina Landrini</b> University of Perugia <i>Ligand and anion effects on structure and reactivity of cationic LAu(I)-H<sub>2</sub>MCp<sub>2</sub> dihydrides (M = Mo, W)</i>



11:20 - 11:35	<b>OC19A – Caterina Damiano</b> University of Milan <i>When daily life meets the lab: colour catcher® sheets as solid supports for porphyrin-based photocatalysts and optical sensors</i>	<b>OC19B – Cristina Femoni</b> Università di Bologna <i>Atomically precise Rh-Au carbonyl nanoclusters</i>
11:35 - 11:50	<b>OC20A – Andrea Fermi</b> University of Bologna <i>Earth-abundant metal complexes in metallaphotoredox catalysis enabled by visible light</i>	<b>OC20B – Stefano Brenna</b> University of Insubria <i>Synthesis and fluorescent behavior of organo-boron imidazopyridine-phenolates</i>
11:50 - 12:05	<b>OC21A – Gioele Colombo</b> University of Insubria <i>Blue fluorescent boron difluoride compounds as new emissive materials for OLED fabrication</i>	<b>OC21B – Gabriele Manca</b> CNR-ICCOM Florence <i>Au(III), or not Au(III)? A reinterpretation on the basis of inverted ligand field</i>
	<b>Aula A</b> <b>Chair: Adriana Saccone</b>	
12:10 - 12:40	<b>KN5 – Alessandra Quadrelli</b> CNRS - IRCELYON <i>Growth of ultrathin films through a “surfaces ♥ organometallic chemistry” approach</i>	
12:40 - 14:30	<b>Lunch and posters (free time)</b>	
	<b>Aula A</b> <b>Chair: Barbara Milani</b>	
14:30 – 15:20	<b>PL6 – Eva Hevia</b> University of Bern <i>Bespoke bimetallics for chemical cooperativity</i>	
	<b>Session 9 - Aula A</b> <b>Chair: Tiziana Marino</b>	<b>Session 10 - Aula B</b> <b>Chair: Fabio Ragaini</b>
15:25 - 15:45	<b>Ad hoc O5A - Valentina Oliveri</b> University of Catania <i>Copper proionophores based on 8-hydroxyquinoline as anticancer agents</i>	<b>Ad hoc O5B - Rinaldo Poli</b> CNRS <i>An unprecedented pathway for borrowing hydrogen transformations under Cp*Co(III) catalysis</i>
15:45 - 16:10	<b>Coffee break</b>	
16:10 - 16:25	<b>OC22A – Annarita Falanga</b> University of Naples “Federico II” <i>Peptide supramolecular structures for anticancer applications</i>	<b>OC22B – Anna Dall’Anese</b> University of Perugia <i>NMR investigations on Salan complexes: structural analysis, dynamics and reactivity</i>
16:25 - 16:40	<b>OC23A – Matteo Gigli</b> Ca' Foscari University of Venice <i>Lignin capsules as stimuli responsive carriers of active compounds</i>	<b>OC23B - Barbara Milani</b> University of Trieste <i>Pd(II) catalysts for functionalized polyolefins synthesis: novel mechanistic insights</i>

16:40 - 16:55	<b>OC24A – Simone Pepi</b> University of Siena <i>Phosphorylated xanthan gum-Ag(I) complex as antibacterial viscosity enhancer for eye drops formulation</i>	<b>OC24B – Emanuele Priola</b> University of Turin <i>The dicyanoaurate supramolecular chemistry: a plethora of opportunities</i>
16:55 - 17:10	<b>OC25A - Debora Carrozza</b> University of Modena and Reggio Emilia <i>Large pore mesoporous silica (LPMS) as an appropriate carrier for large therapeutic molecules</i>	<b>OC25B – Antonio Santoro</b> University of Messina <i>Different inputs to drive the self-assembly of dynamic helicates</i>
	<b>Aula A</b> <b>Chair: Silvia Gross</b>	
17:20 - 18:10	<b>PL7 – Nicola Armaroli</b> ISOE-CNR Bologna <i>A complex energy transition. The big picture</i>	
19:50	<b>Social Dinner</b>	

## Friday 09 September 2022

	<b>Aula A</b> <b>Chair: Maurizio Peruzzini</b>	
9:00 - 9:50	<b>PL8 Sacconi Medal 2022 – Matthias Beller</b> Leibniz Institute for Catalysis <i>Development of efficient catalysts for carbonylation reactions: from basic research to industrial applications</i>	
9:50 - 10:20	<b>KN6 – Angela Serpe</b> University of Cagliari <i>"Urban mines": green &amp; coordination chemistry for critical metals recovery</i>	
10:20 - 10:40	<b>Coffee break</b>	
	<b>Session 11 - Aula A</b> <b>Chair: Emma Gallo</b>	<b>Session 12 - Aula B</b> <b>Chair: Roberto Scotti</b>
10:40 - 11:00	<b>Ad hoc O6A - Laura Prati</b> University of Milan <i>Supported AuCu NPs as promising catalyst for the oxidation of cyclohexane to K-A oil</i>	<b>Ad hoc O6B - Francesco Bartoli</b> CNR-ICCOM Florence <i>Anion exchange membrane water electrolyser 3 cell stack using nanostructured Mo-Ni hydrogen evolution catalyst</i>
11:00 - 11:15	<b>OC26A - Giovanni Pampararo</b> Université catholique de Louvain <i>New efficient Cu-SiO<sub>2</sub> catalysts made by aerosol assisted sol-gel method for the ethanol non oxidative dehydrogenation reaction</i>	<b>OC26B - Federico Barbon</b> University of Padova <i>Continuous hydrothermal flow synthesis of batteries' cathodic materials</i>

11:15 - 11:30	<b>OC27A – Maria Cristina Paganini</b> University of Turin <i>Robust metal oxides for mixed and doped systems in the photodegradation of pollutants in water</i>	<b>OC27B – Luca Guglielmero</b> University of Pisa <i>Betaine mediated enhancement of thermal stability and acidity tolerance of vanadium(V) solutions</i>
11:30 - 11:45	<b>OC28A – Luca Spitaleri</b> University of Catania <i>Photocatalytic properties of Sb-doped TiO<sub>2</sub> for water purification</i>	<b>OC30B - Matteo Capone</b> University of L'Aquila <i>Multi-scale modeling of mechanistic promiscuity in Glu-ER mutants electron-donor-acceptor</i>
11:45 - 12:00	<b>OC29A – Roberto Nisticò</b> University of Milano-Bicocca <i>Hybrid magnetic systems for the environmental remediation of wastewater</i>	
12:00 - 12:15	<b>OC30A – Silvia Mostoni</b> University of Milano-Bicocca <i>Zinc single sites-based materials as alternatives to traditional activators in rubber vulcanization</i>	
12:15 - 12:45	<b>Closing</b>	

## Poster session

- P1 - Arianna Actis** (University of Torino) *Nature and topology of intrinsic radicals in carbon nitride*
- P2 – Chiara Battocchio** (Roma Tre University) *Cu(I) coordination compounds with promising antiviral activity: assessment of the molecular and electronic structure by XPS and XAS*
- P3 - Rosa Bellavita** (University of Naples Federico II) *Iron(III) chelation of hydroxamate-based temporin L peptides to overcome antibiotic resistance*
- P4 - Chiara Bellomo** (University of Turin) *Surface reconstruction dynamics of fractured quartz monitored by CW-EPR spectroscopy*
- P5 - Francesca Binacchi** (University of Pisa) *Synthesis, characterisation and biological evaluation of new Pd(II) complexes as potential anticancer agents*
- P6 - Sara Cerra** (Sapienza University of Rome) *Network assembly of gold nanoparticles stabilized by rod-like bifunctional Pt-polyynes ligands: from synthesis to electrical properties*
- P7 - Lorenzo Chiaverini** (University of Pisa) *Medicinal hypervalent tellurium prodrugs bearing different ligands: a comparative study of the chemical profiles of AS101 and its halido replaced analogues*
- P8 - Giada Ciardullo** (University of Calabria) *A computational experiment on the RDRP from SARS COV-2 with the natural antiviral agent*
- P9 - Anita Cinco** (University of Insubria) *Fluorescent zinc(II) complexes with bis-imidazo[1,5-a] pyridine ligands*
- P11 - Simona Delsante** (University of Genova) *Phase equilibria and reactivity of RE-Ni-Al alloys (RE=rare earth elements)*
- P12 - Chiara Domestici** (University of Perugia) *Hybrid Cp\*Ir-picolinamidate complex/rAaeUPO tandem reaction for oxyfunctionalisation of ethylbenzene derivatives*
- P13 - Francesco Paolo Fanizzi** (University of Salento) *Study of in vitro anticancer effects and metabolic alteration induced by a new Pt(II) complex on neuroblastoma cancer cells*
- P14 - Valentina Ferraro** (Ca' Foscari University Venezia) *Synthesis and characterization of luminescent N-functionalized benzotriazole-based heteroleptic copper(I) complexes*
- P15 - Marina Franca** (University of Padova) *Unveiling the impact of doping ions on aluminum oxide as automotive catalyst support*
- P16 - Leonardo Giaccari** (Sapienza University of Rome) *A synthetic route to soluble reduced graphene oxide via one pot carboxyl enrichment*
- P17 - Ester Giorgi** (University of Pisa) *New Au(I)-NHC glycoconjugate complexes with promising anticancer activity against ovarian cancer cells.*
- P18 - Alberto Gobbo** (University of Pisa) *Adding diversity to the ruthenium-tris(pyrazolyl)methane scaffold: new complexes as potential anticancer agents*
- P19 - Giovanna Iucci** (Roma Tre University) *XPS and RAIRS investigation on the modifications induced by air plasma-treatment on the PLA surface*
- P20 - Sara La Manna** (University of Naples Federico II) *C-terminal region fragments of the A $\beta$  peptide: modulation of their amyloid aggregation through glucosyl platinum(II) complexes*
- P21 - Valeria Lagostina** (University of Turin) *CW and pulse EPR studies of vanadium species on shape controlled anatase nanocrystals*

- P22 - Yu-Kai Liao** (University of Turin) *A HYSORE investigation of a bimetallic molybdenum-vanadium microporous catalyst*
- P23 - Lorenzo Luciani** (University of Camerino) *Coordination chemistry and solid state luminescence studies on gold(I) complexes bearing the methyl 4-(diphenylphosphino)benzoate ester ligand*
- P24 - Daniela Marasco** (University of Naples Federico II) *Transition metal complexes as modulators of amyloid aggregation: role of metal centre in the mechanism of action*
- P25 - Eleonora Marconi** (Roma Tre University) *Engineered mesoporous silica for protection of metals from corrosion*
- P26 - Carlo Marotta** (University of Pisa) *Novel potential anticancer prodrugs derived from the functionalization of Pt(IV) complexes with mitochondria-targeting compounds*
- P27 - Massimo Melchiorre** (University of Naples Federico II)  *$\alpha$ -hydroxyacids ketalization promoted by iron(III) perchlorate: from homogeneous to heterogeneous systems*
- P28 - Martina Mercurio** (Sapienza University of Rome) *Nanotechnology in agriculture: the role of silver nanoparticles in mycorrhization process*
- P29 - Daniele Montini** (University of Milano-Bicocca) *Silica recovery from industrial waste for functional and structural applications*
- P30 - Diletta Morelli Venturi** (University of Perugia) *New approach in the synthesis of fluorinated MIL-53(Al)*
- P31 - Elisa Moretti** (Ca' Foscari University of Venice) *Colored TiO<sub>2</sub> hollow spheres as efficient photocatalysts for drugs degradation in wastewater*
- P32 - Mario Luigi Naitana** (Roma Tre University) *Dendritic fibrous nanosilica – porphyrin hybrid system for sensing applications*
- P33 - Sara Orsini** (University of Milano-Bicocca) *Decoration of silica and sepiolite surfaces with photoreversible coupling agent: a new route for producing multifunctional hybrid nanoparticles*
- P34 - Fabio Piccinelli** (University of Verona) *Spectroscopic characterization of a new chiral Eu(III) complex containing an extended  $\pi$ -conjugated antenna*
- P35 - Lorenzo Pietracchi** (University of Camerino) *Synthesis, characterization, and biological studies of ( $\eta^6$ -arene)Ru(II) complexes with 3-phenyl-1-(pyridine-2-yl)-5-pyrazolonato ligand*
- P36 - Leonora Podvorica** (University of Torino) *EPR investigation of an industrial Ziegler-Natta catalyst*
- P37 - Giacomo Provinciali** (CNR-ICCOM Sesto Fiorentino) *TiO<sub>2</sub>-black phosphorus heterostructure with CoP as cocatalyst for efficient photocatalytic H<sub>2</sub> production*
- P38 - Giorgia Rizzi** (KU Leuven) *Probing ferroelectricity in metal halide perovskites using second harmonic generation microscopy*
- P39 - Marco Rollo** (University of Pisa) *Chemical depolymerization of polyethylene terephthalate by hydrolysis using Lewis-Brønsted acid mixtures*
- P40 - Elisa Rossi** (University of Pisa) *Computational insights into the carbon dioxide-promoted polyethylene terephthalate depolymerization*
- P41 - Nicola Sargentoni** (University of Camerino) *The halogen addition to the Au(I) centers: the case of NHC-AuX complexes (X = Cl or I)*
- P42 - Chiara Saviozzi** (University of Pisa) *New ferrocenyl-decorated diiron iminium complexes*

- P43 - Giacomo Senzacqua** (University of Sassari) *Novel complexes of 3-substituted 1-(2-pyridil)imidazo-[1,5-a]pyridine ligands with Pd(II), Pt(II), Au(III)*
- P44 - Silvia Sfameni** (University of Messina) *Development of functional alkylsilane-based treatments as coatings for hydrophobic and anti-stain textiles*
- P45 - Massimo Sgarzi** (Ca' Foscari University of Venice) *Brewing waste-based carbon dot hydrogels for water remediation*
- P46 - Pavlo Solokha** (University of Genova) *Diffusion couple (DC) – an old method for discovering new materials: the Sc-Pt system in focus*
- P47 - Marta Stucchi** (University of Milano) *Pt-WO<sub>x</sub>/C catalysts for  $\alpha,\beta$ -unsaturated aldehydes hydrogenation: a NMR study of the effect of the reactant adsorption on activity and selectivity*
- P48 - Luigi Talarico** (University of Siena) *Solid lipid nanoparticles produced via a coacervation method as promising carriers for controlled release of quercetin*
- P49 - Alessia Tombesi** (University of Camerino) *Exploration of the antibacterial and antifungal activity of a series of bis(pyrazolato)-based metal-organic frameworks*
- P50 - Caterina Trotta** (University of Perugia) *Evaluating ligand effects in molecular and supported Cp\*Ir-based water oxidation catalysts*
- P51 - Iole Venditti** (Roma Tre University) *Water pollution monitoring by hydrophilic silver nanoparticles: the role of functionalized surface on selectivity and eco-safe behaviour*
- P52 - Sonila Xhafa** (University of Camerino) *Novel zinc complexes of pyrazolone-based hydrazones and  $\beta$ -ketoamines with antimicrobial activity*
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- OC1A-P - Nicola Dengo** (University of Insubria) *Dealing with structural complexity in CdSe QDs: a SAXS/WAXS total scattering approach*
- OC17B-P - Mariagrazia Fortino** (University of Catanzaro) *Chyoptical property predictions of chiral hybrid perovskites*
- OC18A-P - Sandra Belviso** (University of Basilicata) *Non-symmetrically substituted thioalkyl-porphyrazines for optoelectronics*

## SOCIAL PROGRAMME

### Welcome Party (included in the registration fee)

**Tuesday 06 September**

20 h at Polo San Rossore

**Lunches** are not included !

We suggest you to walk towards the city center and find the place that suits you. Good food may be found at a reasonable price, possibly avoiding the main touristic area (Piazza dei Miracoli and nearby).

### Social Dinner (included in the registration fee)

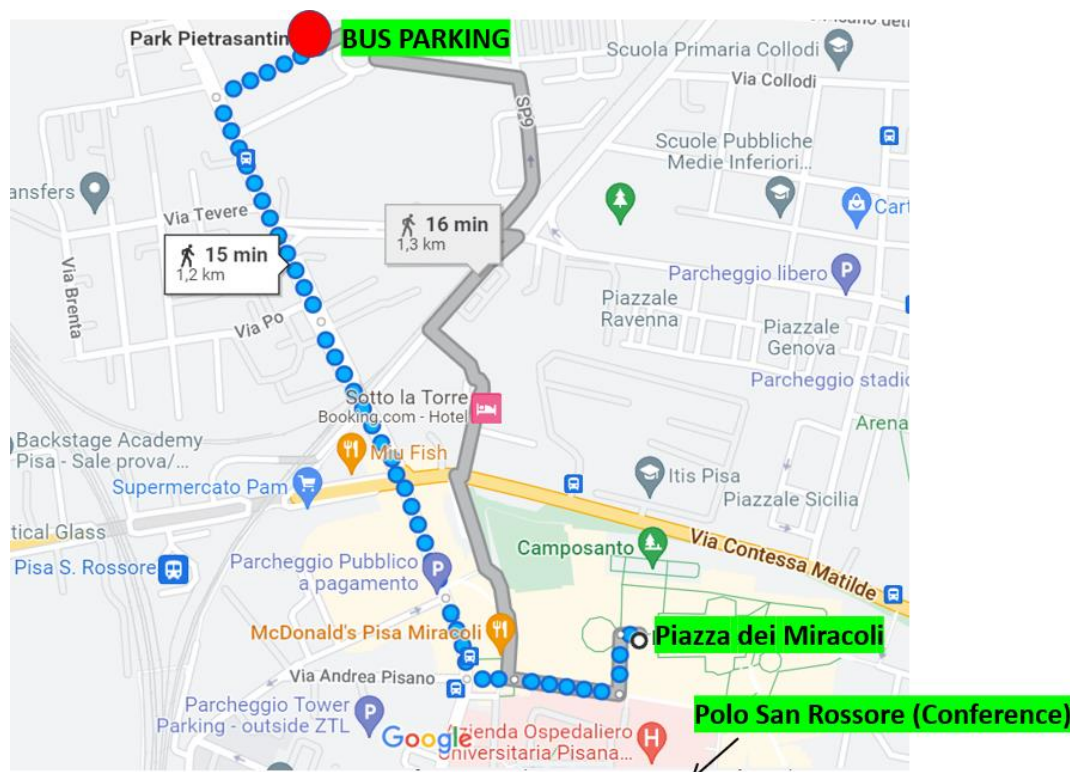
**Thursday 08 September**

Ristorante Pozzo di San Vito, Via S. Vito 12, Calci (Pisa)

We will reach the restaurant by bus: the meeting to get the bus is at

**Pietrasantina Park (Parcheggio Autobus di Via Pietrasantina) at 19.50 h**

about 1 km walking from Piazza dei Miracoli







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