



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



CENTER FOR
CHEMICAL CATALYSIS

C³ Day 2024

Bologna, 4th June 2024

Agenda

9:15-9:30	Opening Remarks
<hr/>	
9:30-10:15	IL1 – M. Pera Titus Cardiff Catalysis Institute, Cardiff University (United Kingdom) <i>Catalysis in Particle-Stabilized Emulsions and Foams</i>
10:15-10:25	OC-1 – M. Lanzi Department of Chemical Sciences, Life and Environmental Sustainability, Universita' degli Studi di Parma (Italy) <i>Hypervalent Compounds: A New Platform for Molecular Complexity</i>
10:25-10:35	OC-2 – L. Rigamonti Department of Chemical and Geological Sciences, Università degli Studi di Modena e Reggio Emilia (Italy) <i>Insight into Copper(II) Salben Complexes as Catalysts in C-N Coupling Reactions</i>
10:35-10:45	OC-3 – M. Tommasi Department of Chemistry, Università degli Studi di Milano (Italy) <i>CO₂ methanation: Catalysts for CCU Technologies</i>
10:45-10:55	OC-4 – D. Gariboldi Department of Chemistry, Università degli Studi di Milano (Italy) <i>In-Flow Pd-Catalyzed Cross-Coupling Reactions Using Organolithium Reagents as Nucleophiles</i>
<hr/>	
11:00-11:30	Coffee Break and Poster Session



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



CENTER FOR
CHEMICAL CATALYSIS

-
- 11:30-12:15 **IL2 – M. Haus**
BASF SE, Ludwigshafen am Rhein (Germany)
BASF GREEN catalyst technology - Sustainable and Efficient Precious Metal Usage
- 12:15-12:25 **OC-5 – L. Valentino**
Department of Biological, Chemical and Pharmaceutical Sciences and Technologies (STEBICEF) - University of Palermo and INSTM UdR (Italy)
Highly Cross-Linked Bifunctional Magnesium Porphyrin-Imidazolium Bromide Polymer: Unveiling the Key Role of Co-Catalysts Proximity for CO₂ Conversion into Cyclic Carbonates
- 12:25-12:35 **OC-6 – A. Fermi**
Department of Chemistry “Giacomo Ciamician”, Università di Bologna (Italy)
Targetting Ar-X Bonds with Powerful Visible Light-Activated Photoreductants
- 12:35-12:45 **OC-7 – E. Capecchi**
Department of Ecological and Biological Sciences, Università della Tuscia (Italy)
Multi-Enzymatic Nanocatalyst for the Synthesis of Privileged Scaffolds
- 12:45-12:55 **OC-8 – D. Fiorito**
Department of Chemistry, Materials and Chemical Engineering “Giulio Natta”, Politecnico di Milano (Italy)
Chemoenzymatic Catalysis for the Stereoselective Synthesis of Industrially Relevant Terpenoids
-
- 13:00-14:30 Light Lunch and Poster Session
-
- 14:30-15:15 **IL3 – L. Ackermann**
Institute of Organic and Biomolecular Chemistry - Georg-August-Universität Göttingen (Germany)
C–H Activation: from Late-Stage Functionalization to Metallaelectro-Catalysis
- 15:15-15:25 **OC-9 – A. Fasolini**
Department of Industrial Chemistry “Toso-Montanari”, Università di Bologna (Italy)
H₂ Production from Cellulose Aqueous Phase Reforming: Role of Catalyst Activity in Hydrogenation and Dehydrogenation Reactions



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



CENTER FOR
CHEMICAL CATALYSIS

-
- 15:25-15:35 **OC-10 – U. Raucci**
Italian Institute of Technology (IIT), Genoa (Italy)
Reactant-Induced Dynamics of Heterogeneous Catalysts During Ammonia Synthesis and Decomposition
- 15:35-15:45 **OC-11 – M. Gazzotti**
Department of Chemistry, Università degli Studi di Milano (Italy)
Synthesis and Catalytic Applications of New Sterically Hindered Chiral Phosphoric Acids
- 15:45-15:55 **OC-12 – A. Carioscia**
Department of Physical and Chemical Sciences, Università degli Studi dell'Aquila (Italy)
New Hydrogen Bonding Motifs for Anion Binding Catalysis
-
- 16:00-16:30 Coffee Break and Poster Session
-
- 16:30-17:15 **IL4 – G. Mestl**
Clariant AG, BU Catalysts, R&D, Dept. Oxidation (Germany)
Sustainability: The New Driver for Industry and Not So New for Oxidation Catalysis
- 17:15-17:25 **OC-13 – E. Bazzica**
Department of Chemistry, Biology and Biotechnology, Università degli Studi di Perugia (Italy)
Phenols Valorization via Csp²-H Functionalization. A Green Synthetic Strategy to Ortho-Alkylated Phenol
- 17:25-17:35 **OC-14 – E. Casacchia**
Department of Physical and Chemical Sciences, Università degli Studi dell'Aquila (Italy)
New Polymeric Disulfonimides for Heterogeneous Mukaiyama-Aldol Reaction
- 17:35-17:45 **OC-15 – S. Toldo**
Department of Environmental and Prevention Sciences, Università degli Studi di Ferrara (Italy)
Immobilization of Chiral Mono-Amidine Catalysts for Stereoselective Aza-Henry Reaction Under Heterogeneous Phase



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



CENTER FOR
CHEMICAL CATALYSIS

17:45-17:55 **OC-16 – S. Cattani**
Department of Chemical Sciences, Life and Environmental Sustainability,
Università degli Studi di Parma (Italy)
Triazole-Enabled, Iron-Catalyzed C–H Alkylation/Ring Opening with Vinylbenzofurans

18:00-18:15 Poster Prize Award by Chemistry Europe and Closing Remarks

Sponsored by:



**FRESENIUS
KABI**

caring for life



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO
DI CHIMICA
"GIACOMO CIAMICIAN"

Activity funded with the contribution of the Department
of Excellence program financed by the Minister of
University and Research 2023-2027 (L. 232 del
01/12/2016)"

