



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



CENTER FOR
CHEMICAL CATALYSIS

C³ Day 2025

Bologna, 2nd December 2025

Agenda

9:15-9:30 Opening Remarks (**Bandini-Cavani-Direttori**)

9:30-10:15 **Chair M. Bandini**
IL1 – **E. Carreira**
Lab. für Organische Chemie, ETH Zürich (CH)
Discovery and Surprises with Natural Products

10:15-10:25 **Chair L. Bernardi**
OC-1 – **B. Adranno**
Department of Chemical Sciences, Università di Padova (Italy)
Photocatalytic Semi-Hydrogenation of Acetylene to Ethylene in Water Powered by a Copper-loaded Hydrogen-Bonded Organic Framework

10:25-10:35 OC-2 – **M. Boselli**
Department of Chemistry, Università degli Studi di Milano (Italy)
Dual Catalysis Strategy for the Enantioselective α -Addition of N-Lactam and N-Oxazolidinone Radicals to Aldehydes

10:35-10:45 OC-3 – **E. De Marchi**
Department of Biological and Ecological Sciences, Università della Tuscia (Italy)
Application of Photocatalysis in the Abiotic and Biotic Transformation of Natural Compounds

10:45-10:55 OC-4 – **M. E. Casacchia**
Department of Physical and Chemical Sciences, Università dell'Aquila (Italy)
Unlocking Synergistic Effects via Oxide Supports in Heterogeneous Rhenium-Catalysed Deoxydehydration



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



CENTER FOR
CHEMICAL CATALYSIS

11:00-11:30 Coffee Break and Poster Session

11:30-12:15 **Chair F. Cavani**
IL2 – J. L. Dubois
Trinseo/Altuglas International (France)
Catalysis, back to the Future

12:15-12:25 **Chair W. Cabri**
OC-5 – A. Cerveri
Department of Chemistry, Life Sciences and Environmental Sustainability,
Università di Parma (Italy)
*Unified Access to Privileged N-Heterocycles via Molecular
Photoreprogramming of Pyridines*

12:25-12:35 OC-6 – U. Draz
Department of Civil, Chemical and Environmental Engineering, Università di
Genova (Italy)
Evaluation of Flexible CO₂ Hydrogenation Reactors for e-Methanol Synthesis

12:35-12:45 OC-7 – S. Impemba
Department of Chemistry and Biology "A. Zambelli", Università di Salerno
(Italy)
*Transfer Hydrogenation of Nitroarenes via Formic Acid Decomposition over Pd
Nanoparticles Supported on a Porous Polymer*

12:45-14:30 Light Lunch and Poster Session

14:30-15:15 **Chair F. Paolucci**
IL3 – W. Leitner
Max Planck Institute for Chemical Energy Conversion (Germany)
TBA

15:15-15:25 **Chair A. Gualandi – G. Bertuzzi**
OC-8 – C. Nobbio
Politecnico di Milano (Italy)
*Synthesis of Aliphatic α -Aminoacids by Chemo-Enzymatic Hydroamination-
Hydrodesulphurisation*



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



CENTER FOR
CHEMICAL CATALYSIS

-
- | | |
|-------------|--|
| 15:25-15:35 | OC-9 – A. Montoli
Department of Chemistry, Università degli Studi di Milano (Italy)
<i>Automation & Chemometrics Enable Novel Trifluoromethyl Benzoxaborole Synthesis</i> |
| 15:35-15:45 | OC-10 – S. Parisotto
Department of Chemistry, Università di Torino (Italy)
<i>Bridging Biocatalysis and Photochemistry for Selective Alcohol and Amine Synthesis</i> |
| 15:45-15:55 | OC-11 – M. Severi
Department of Chemistry "G. Ciamician", Università di Bologna (Italy)
<i>Optimal Electric Fields: Catalysis without Catalyst</i> |
-
- | | |
|-------------|---------------------------------|
| 16:00-16:30 | Coffee Break and Poster Session |
|-------------|---------------------------------|
-
- | | |
|-------------|--|
| 16:30-17:15 | Chair J. Roletto
IL4 – K. Möbus
Evonik Operations GmbH (Germany)
<i>Greener Chemistry with Black Powder: The Case for Evonik Noblyst® catalysts</i> |
|-------------|--|
-
- | | |
|-------------|--|
| 17:15-17:25 | Chair C. Cesari – A. Fasolini
OC-12 – E. Quadri
Photo Green Lab – Department of Chemistry, Università di Pavia (Italy)
<i>Photocatalyzed Elaboration of Aldehydes via Hydrogen Atom Transfer in Continuous Flow</i> |
| 17:25-17:35 | OC-13 – F. Santulli
Department of Chemistry and Biology "A. Zambelli", Università di Salerno (Italy)
<i>Microwave-Assisted Chemical Recycling of Poly(L-lactic acid) Catalyzed by Zinc-Based Complex</i> |
| 17:35-17:45 | OC-14 – V. Ubertini
Department of Biological and Ecological Sciences, Università della Tuscia (Italy)
<i>Prebiotic Chemistry Inspired Allomelanin as Photocatalyst in the One-Pot Synthesis of N-Alkylimines</i> |
-



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

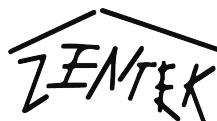


CENTER FOR
CHEMICAL CATALYSIS

17:45-18:15

Poster Prize Award by Chemistry Europe and Closing Remarks

Sponsored by:



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DEPARTMENT
OF CHEMISTRY
"GIACOMO CIAMICIAN"



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DEPARTMENT
OF INDUSTRIAL CHEMISTRY
"TOSO MONTANARI"

Activity funded with the contribution of the Department of Excellence program financed by the Minister of University and Research 2023-2027 (L. 232 del 03/12/2016)

