



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA



CENTER FOR
CHEMICAL CATALYSIS

C³ Day 2023

Bologna, 5th June 2023

Agenda

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| 9:15-9:30 | Opening Remarks |
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| 9:30-10:15 | IL1 – Dr. Alessandra Quadrelli
IRCELYON, Institut de recherches sur la catalyse et l'environnement de Lyon, France
<i>"A Transdisciplinary Approach to Catalysis for Green Chemistry: the Situated Green Chemistries framework"</i> |
| 10:15-10:30 | OC-1 – Dr. Lorenzo Biancalana
Dipartimento di Chimica e Chimica Industriale, Università di Pisa
<i>"One-pot Reduction/N-Methylation of Nitroarenes using Methanol and Ruthenium(II) Arene Complexes with Dioxime Ligands"</i> |
| 10:30-10:45 | OC-2 – Dr. Giampiero Cera
Dipartimento di Scienze Chimiche, della Vita e della Sostenibilità Ambientale, Università di Parma
<i>"Triazole-assisted, iron-catalyzed C–H functionalizations with alkenes"</i> |
| 10:45-11:00 | OC-3 – Dr. Luigi Dolcini
Dipartimento di Chimica, Università degli Studi di Milano
<i>"Visible-light promoted β-functionalization of carbonyl compounds in the presence of organic dyes"</i> |
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| 11:00-11:30 | Coffee break and Poster Session |
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| 11:30-12:15 | IL2 – Dr. Taichiro Touge
Fine Chemical Laboratory, Takasago International Corporation, Kanagawa, Japan
<i>"Development and Application of Homogeneous Ruthenium Catalysts in Asymmetric (Transfer) Hydrogenation"</i> |
| 12:15-12:20 | Introduction to the C3-Contest (Prof. R. Mazzoni) |
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- 12:20-12:30 **OC₃-1 – Dr. Lucia Ferrazzano**
Dipartimento di Chimica "G. Ciamician", Università di Bologna
"Sustainability assessment of palladium-based catalytic processes: applications and implications in Heck-Cassar-Sonogashira cross-coupling and peptide synthesis"
- 12:30-12:40 **OC₃-2 – Dr. Giulio Bertuzzi**
Dipartimento di Chimica "G. Ciamician", Università di Bologna
"Electroreductive selective manipulation of electron-deficient olefins"
- 12:40-12:50 **OC₃-3 – Dr. Marco Villa**
Dipartimento di Chimica "G. Ciamician", Università di Bologna
"NHC-gold(I)-amido Complexes for luminescence and photocatalysis"
- 12:50-13:00 **OC₃-4 – Dr. Federica Mariani**
Dipartimento di Chimica Industriale "T. Montanari", Università di Bologna
"Electrochemical reduction of CO₂ to acetic acid at a Cu-based layered double hydroxide catalyst"
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- 13:00-14:30 Light Lunch and Poster Session
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- 14:30-15:15 **IL₃ – Prof. Jieping Zhu**
Laboratory of Synthesis and Natural Products (LSPN), EPFL, Lausanne, Switzerland
"Catalytic Enantioselective 1,2-Rearrangement"
- 15:15-15:30 **OC-4 – Dr. Francesco Ravera**
Dipartimento di Scienze Chimiche, Università di Padova
"Direct coumarin synthesis catalyzed by a gold(i)/ionic liquid system"
- 15:30-15:45 **OC-5 – Dr. Francesco Ferlin**
Dipartimento di Chimica, biologia e Biotecnologie, Università degli Studi di Perugia
"Sustainable development of C(sp³)-H activation through heterogeneous catalysis and flow chemistry"
- 15:45-16:00 **OC-6 – Dr. Daniele Ragno**
Dipartimento di Scienze Chimiche, Farmaceutiche ed Agrarie, Università di Ferrara
"Oxidative NHC Catalysis: An Unconventional Tool for Polymers Synthesis"
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- 16:00-16:30 Coffee break and Poster Session
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- 16:30-17:15 **IL4 – Dr. Lino Carnelli**
Centro Ricerche Donegani, ENI, Novara, Italy
"Eni R&D in renewable energy: catalytic and non-catalytic processes"
- 17:15-17:30 **OC-7 – Dr. Francesco Di Renzo**
ICGM Université de Montpellier-CNRS-ENSCM, Montpellier, France
Chemical looping: the intricacies of a valuable method of hydrogen production
- 17:30-17:45 **OC-8 – Dr. Graziano di Carmine**
Dipartimento di Scienze Chimiche, Farmaceutiche ed Agrarie, Università di Ferrara
"A photo-catalysed Giese-like reaction for the synthesis of β -C-glycosyl alanine analogues"
- 17:45-18:00 **OC-9 – Dr. Alessandro Cerveri**
Dipartimento di Scienze Chimiche, della Vita e della Sostenibilità Ambientale, Università di Parma
"Catalysis through Dispersion Forces on (Bi)Radical Reactions"
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- 18:00-18:15 Closing Remarks

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