

FINAL CONFERENCE

From Sunlight to Molecules

CONDOR

AGENDA

Institute for Organic Synthesis and Photoreactivity (ISOF)



CNR - Area della Ricerca di Bologna
Via Gobetti 101, 40129 Bologna, ITALY



DATE: 14 OCTOBER 2024



TIME: 14:00 - 17:30

- 14:00 – 14:30** Welcome and meeting opening
Keynote speech "From sunlight to molecules: the big picture"
Nicola Armaroli, Institute for Organic Synthesis and Photoreactivity
- 14:30 – 14:50** CONDOR: COMbined suN-Driven Oxidation and CO2 Reduction for renewable energy storage
Paola Ceroni, Alma Mater Studiorum, University of Bologna
Anastasia Grozdanova, AMIRES
- 14:50 – 15:20** Hybrid photocathode with backside illumination: a new paradigm for solar fuel production
Marc Robert, Sorbonne University
- 15:20 – 15:40** Molecular anodes for solar fuels devices
Antoni Llobet, Institute of Chemical Research of Catalonia - ICIQ
- 15:40 – 16:00** Coffee break
- 16:00 – 16:20** Structural characterization of semiconductors and catalysts in CONDOR photoanodes, including operando techniques
Luca Pasquini, Alma Mater Studiorum, University of Bologna
- 16:20 – 16:40** Ultrafast dynamics in CONDOR photoanodes
Barbara Ventura, Institute for Organic Synthesis and Photoreactivity
- 16:40 – 17:00** Photoelectric materials for artificial synthesis
Stefano Caramori, University of Ferrara
- 17:00 – 17:30** Hybrid photoelectrodes for Solar Fuel Production
Gerald Meyer, University of North Carolina at Chapel Hill
- 17:30** Wrap Up and closing remarks



DATE: 15 OCTOBER 2024



TIME: 09:30 - 12:30

- 09:30 – 09:40** Welcome and meeting opening
- 09:40 – 10:10** Chemical and electrochemical incorporation of CO2 into complex organic scaffolds
Marco Bandini, Center for Chemical Catalysis - "C3"
- 10:10 – 10:30** Design and operational challenges of large-scale PEC systems
Laurent Baraton, ENGIE CRIGEN
- 10:30 – 11:00** Integrating a discontinuous supply into a continuous process (CONDOR system)
Hans ten Dam, HYGEAR
- 11:00 – 11:20** Coffee break
- 11:20 – 11:30** Wrap Up and closing remarks
- 11:30 – 12:30** Behind the Scenes: CNR lab tour

 National Research Council of Italy



 Università degli Studi di Ferrara



 ICIQ
Institut Català d'Investigació Química

 AMIRES
HYGEAR
THE GLOBAL HYDROGEN SOURCE

 ENGIE
Lab
CRIGEN

 SORBONNE
UNIVERSITÉ



THE UNIVERSITY
of NORTH CAROLINA
at CHAPEL HILL

