ICIQ-RedINTECAT SCHOOL PROGRAM

Wednesday, 25th September

15:00 – 16:00 Registration

16:00 – 17:00 Plenary Lecture 1: Víctor de la Peña
Solar Fuels Production by Artificial Photosynthesis: From Inorganic to Hybrid Multifunctional Materials

17:00 – 17:15 Questions

17:15 – 17:45 Coffee Break (Offered by ICIQ and RedINTECAT)

17:45 – 18:05 Oral Communication 1: Geyla C. Dubed
New Covalent-Organic Frameworks Immobilized on Electrodes promotes the Electrocatalytic CO_2 Conversion

18:05 – 18:25 Oral Communication 2: Nataliia Vereshchuk
Rational Desig of New Efficient and Robust Ru Based Molecular Water Oxidation Catalysts

18:25 – 18:45 Oral Communication 3: Paulina Prslja
CO_2 Reduction Towards CO with MNC-like Catalysis

18:45– 19:05 Oral Communication 4: Bart van den Bosch
Electrochemical Reduction of CO_2 to CO Paired with Biomass Oxidation

21:00 Speakers Dinner (Restaurant El Terrat. Offered by ICIQ and RedINTECAT)

Thursday, 26th September

09:00 – 10:00 Plenary Lecture 2: Jürgen Klankermayer
E = mCO_2: Translational Molecular Catalysis at the Interface of Energy and Chemistry*

10:00 – 10:15 Questions

10:15 – 10:35 Oral Communication 5: Yaya Duan
Site-selective Dicarbofunctionalization of Vinylboronates with Organic Halides

10:35 – 11:05 Coffee Break (Offered by ICIQ and RedINTECAT)

11:05 – 11:25 Oral Communication 6: Francesco Della Monica
[OSSO]-Fe(III) Catalysts for the CO_2/Epoxides Reaction

11:30 – 11:45 Oral Communication 7: Yiting Gu
Base-Catalyzed 1,1-Silaboration of Terminal Alkynes

11:45 – 12:05 Oral Communication 8: Jefferson Guzmán
Influence of Silicon Substituents on the Performance of Iridium-NSi$_R$ Catalyzed CO_2 Hydrosilylation

12:05 – 13:05 Plenary Lecture 3: Burkhard König
Chemical Photocatalysis: Organic Synthesis with Light and Carbon Dioxide

13:05 – 13:20 Questions

13:20 – 15:00 Lunch (ICIQ. Offered by ICIQ and RedINTECAT)

15:00 – 16:00 Plenary Lecture 4: Atsushi Urakawa
Playing with Thermodynamics and Kinetics: Efficient Conversion of CO_2 to Chemical Energy Carriers

16:00 – 16:15 Questions

16:15 – 16:45 Coffee Break (Offered by ICIQ and RedINTECAT)

16:45 – 17:05 Oral Communication 9: Rodrigo García-Muelas
Atomic-Scale Promotion of Indium Oxide for CO_2 Hydrogenation to Methanol

17:05 – 17:25 Oral Communication 10: Marta Ventosa
Solar-Driven Water Splitting: from Molecular Catalysts to Photoelectrochemical Cells

17:25 – 17:45 Oral Communication 11: Federico Dattila
Basicity-Driven Selectivity to Formate for Carbon Dioxide Reduction on Chalcogen Modified Copper

17:45 – 18:45 Plenary Lecture 5: Cristina Sáenz de Pipaón
Orchestra Scientific: Developing an Economically Affordable Technology for CO_2 Separation

18:45 – 19:00 Questions

21:00 ICIQ-RedINTECAT School Dinner (Restaurant El Barquet. Offered by ICIQ and RedINTECAT)

Friday, 27th September

09:00 – 10:00 Plenary Lecture 6: Andreas Greiner
New Biobased Polycarbonates – Candidates for a Novel Class of Sustainable Engineering Plastics?

10:00 – 10:15 Questions

10:15 – 10:35 Oral Communication 12: Jeroen Rintjema
From Lemons to Polymers

10:35 – 11:05 Coffee Break (Offered by ICIQ and RedINTECAT)

11:05 – 11:25 Oral Communication 13: Sergio Fernández
An Experimental and Computational Study of the Cobalt-Catalyzed CO_2 Reduction Mechanism

11:25 – 11:45 Oral Communication 14: Sergio Gonell
Mechanistic Studies on Carbene-Supported Complexes for Electrocatalytic CO_2 Reduction

11:45 – 12:45 Plenary Lecture 7: Etsuko Fujita
Carbon Dioxide Reduction and Hydrogenation by Molecular Catalysts Involving Second-Coordination-Sphere Interactions

12:45 – 13:00 Questions

13:00 – 13:15 Closure