

2nd SAN4Fuel Project Summer School: New Trends in Single-Atom-Based (Photo)Catalysis

Location: Trieste, ICTP (<https://www.ictp.it/>)

Giambiagi Lecture Hall (80 seats)

24.-26. June 2024

Monday, June 24:

9:30 – 10:30 Registration

10:30 – 11:00 Opening – Welcome address – Prof. Paolo Fornasiero, Prof. Štěpán Kment

11:00 – 12:00 Lecture Prof. Patrik Schmuki - Single atom co-catalysts in photocatalytic H₂ generation

12:00 – 13:30 Lunch

13.30 – 14.30 Lecture Prof. Radek Zbořil – Carbon-Based Nanostructures: From Low-Dimensional Chemistry to Single-Atom Engineering

14:30 – 15:30 Lecture Prof. Stepan Kment – Hybrid nanostructures towards renewable energy applications

15:30 – 16:00 Coffee break

16:00 – 17:00 Lecture Dr. Giorgio Zoppellaro - Single atom catalysts and catalytic processes probed via Electron Paramagnetic Resonance technique

19:00 Dinner for speakers

Tuesday, June 25:

9:00 – 10:30 Lecture Prof. Pacchioni - Can we predict the properties of single-atom catalysts?

10:30 – 11:00 Coffee break

11:00 – 12:00 Lecture Prof. Alberto Naldoni - Concentrating light at the nanoscale: fundamentals and application of plasmonic photocatalysts

12:00 – 13:00 Lecture Szuromi Editor of Science (from remote)

13:00 – 14:00 Lunch

14:00 – 15:00 Dr. Emiliano Fonda - Investigating structures at the local scale via X-ray absorption spectroscopy: applications to SAC.

15:00 – 15:30 Coffee break

15:30 – 17:00 Lecture Prof. Matthias Beller - Development of Hydrogen Storage Technologies based on Formic Acid and Formates (From remote)

19:00 Dinner for speakers

Wednesday June 26

9.00-10.00 Lecture Dr. Aristides Bakandritsos – the title to be announced

10:00-17:00 Short presentations of ESRs and Ph.D.