



## Mission Innovation IC5 Event: Update on Projects and Roadmaps

IC5 is a global initiative to discover affordable ways to convert sunlight into storable solar fuels. This event will provide the latest updates on Mission Innovation IC5 projects and international roadmaps, followed by a panel discussion with the roadmap presenters. It is organised as a satellite event to the RSC International Solar Fuels Conference and is organised by **Mission Innovation IC5** and **Sun-To-X** (a Mission Innovation H2020 project).

**Date and Time:** It will be held on 29<sup>th</sup> July, 11:30 – 13:30 CEST. *All times below are also indicated in CEST.*

**Location:** Virtual meeting on Teams

**Registration link:** Click [here](#). The event is free, but requires prior registration.

### Detailed agenda

- 11:30 **MI IC5 activity over last 5 years:** Dr. Philippe Schild (European Commission, Belgium)
- 11:35 **CO<sub>2</sub> conversion to artificial (synthetic) liquid fuels by solid oxide electrochemical approach: Photo voltaic to fuels:** Prof. Chinmoy Ranjan (Indian Institute of Science, India)
- 11:42 **SUN2CHEM - Novel photo-assisted systems for direct solar-driven reduction of CO<sub>2</sub> to energy rich chemicals:** Dr. Dan Ren (Ecole Polytechnique Federale de Lausanne, Switzerland)
- 11:49 **SUN2CHEM - international partner:** Prof. Jingshan Luo (Nankai University, China)
- 11:52 **Earth abundant and scalable two dimensional catalysts for selective photo-electrochemical solar conversion of carbon dioxide to methane/methanol:** Dr. Arvind Kumar Chandiran (Indian Institute of Technology, India)
- 11:59 **Development of novel catalyst for photocatalytic CO<sub>2</sub> reduction using sunlight:** Prof. Sebastian Chirambatte Peter (Jawaharlal Nehru Center for Advanced Scientific Research, India)
- 12:06 **Sun-To-X - Solar Energy for Carbon-Free Liquid Fuel:** Hannah Johnson (Toyota Motor Europe, Belgium)
- 12:13 **Sun-To-X - international partner:** Dr. Amol Chandekar (LightFuel, United States)
- 12:16 **Plasmonic nanomaterials for converting CO<sub>2</sub> to Fuel using Solar:** Prof. Vivek Polshettiwar (Tata Institute of Fundamental Research, India)

### BREAK

- 12:30: **IC5 Roadmap:** Dr. Thomas Schleker (European Commission, Belgium)
- 12:40: **United States - Liquid Solar Fuels Research Opportunities:** Dr. William Tumas (National Renewable Energy Laboratory, United States)
- 12:50 **Sunergy Strategic Research and Innovation Agenda:** Prof. Joanna Kargul (Univ of Warsaw, Poland) and Dr. Carina Faber (Engie, France)
- 13:00 **Solar Value Chain:** Dr. Thomas Schleker (European Commission, Belgium)
- 13:10 **Panel discussion** chaired by Dr. Vincent Artero (CEA Grenoble, France)