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Catalytic and Electrocatalytic CO₂ Reduction: the Genesis of Working Group 4 in the SCCER Heat & Electricity Storage

Tuesday 4 November 2014 14:15 (30 minutes)

In this presentation the research groups participating in the working group 'Catalytic and Electrocatalytic CO₂ Reduction' will be introduced with an emphasis on previous relevant research on CO₂ chemistry. The expertise and unique research tools that will be shared between the research groups will be highlighted. Collaborations with other groups on CO₂ chemistry that could contribute towards the success of the working group will also be mentioned. Also, the synergies and parallels between the materials being developed for applications in the electrocatalytic conversion of CO₂ into fuels and the homogeneous/heterogeneous catalysts for CO₂ hydrogenation will be made. Finally some highlights of very recent research successes on the transformation of CO₂ into chemicals and fuels will be given.

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