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Events

Fundamental Research

Climate, environment and circular economy | Energy storage | Responsible oil and gas | Fuels | Petrochemicals

27 - 29 March 2018

Les Rencontres scientifiques d'IFPEN – Solid Liquid Interfaces – challenging Molecular Aspects for Industrial Applications (SLIMAIA); 27-29 March 2018

Within the context of improved energy efficiency and sustainable development, reactive and non-reactive chemical phenomena occurring at solid-liquid interfaces (SLI) play a role in numerous industrial applications. Heterogeneous catalysis, electrochemistry (corrosion, energy storage), enhanced oil recovery, water treatment and waste management are just some of the fields that may benefit from improved control of complex and intricate chemical events: sorption, wetting, impregnation, diffusion and reactions occurring at solvated interfaces of oxides (supports, clays, etc.) or metals (electrodes, catalysts, steels, etc.).

This international event highlighted the most recent advances, presenting a variety of innovative experimental and theoretical methods that improve our molecular-scale understanding of SLI and offer significant promise for specific applications.

It brought together experts in industrial applications, cutting-edge characterization techniques (in situ and operando spectroscopy, calorimetry, etc.) and computational chemistry from the molecular to the mesoscale level. The event showed how key scientific challenges, at the crossroads of general chemistry, analytical chemistry, physical chemistry, electrochemistry, catalysis and geochemistry can be addressed.

This *Rencontre scientifique* event organized by IFP Energies nouvelles has provided the scientific community with an ideal platform for constructive debate among experimental and theorical researchers from both academia and industry.

Thank you all!
You made this Rencontre scientifique of IFP Energies nouvelles a great event!

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Program

Download the final program *(PDF - 254 Ko)*

List of posters

Download the list of posters *(PDF - 207 Ko)*

SOLID LIQUID INTERFACES (2018)
29 March 2018

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