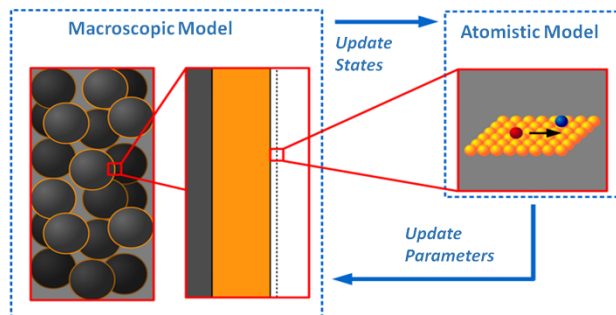


European Summer School on Multiscale Modeling in Chemical Reaction Engineering

WHAT TO EXPECT

The summer school is intended for PhD students and postdoctoral scientists as well as industrial partners with interest in chemical reaction engineering. The atomistic modeling of reactions on catalytically active surfaces and the design of catalytic reactors spans various time and length scales. This summer school shows ways of bridging these scales through multiscale modeling.



Topics

Different scales of modeling
Density functional theory and microkinetics
Kinetic Monte Carlo simulations
Computational fluid dynamics and macrokinetics
Reactor design

Important Dates:

Summer school: 18.9. – 22.9.2017

Registration: Opens 18.3. 2017

Deadline 18.7. 2017

Number of participants limited to 30

Register at <http://multimod.cperi.certh.gr/>

Fees:

Academia: 760 € (980€ for single room)

Industry: 1000 € (1150€ for single room)

Fees include meals, accommodation and transportation from/to airport

Venue:

Porto Carras Beach resort, Chalkidiki, Greece. <http://www.portocarras.com/>



WHO WILL YOU MEET

Speakers:

Prof. Dr. Y.G. Kevrekidis, Princeton U. (USA)
Prof. Dr. O. Deutschmann, Karlsruhe Institute of Technology (DE)
Prof. Dr. M. Maestri, Politecnico di Milano (IT)
Prof. Dr. K. Reuter, TU Munich (DE)
Prof. Dr. M. Saeys, Ghent University (BE)
Prof. Dr. G.E. Froudakis, University of Crete (GR)
Prof. Dr.-Ing. R. Dittmeyer, Karlsruhe Institute of Technology (DE)

Scientific Committee:

Prof. Dr.-Ing. R. Dittmeyer, Karlsruhe Institute of Technology (DE)
Prof. Dr.-Ing. H. Freund, Friedrich-Alexander-Universität Erlangen-Nürnberg (DE)
Prof. Dr.-Ing. U. Krewer, TU Braunschweig (DE)
Dr. A. Papadopoulos, Senior Researcher, CERTH (GR)
Prof. Dr. F. Studt, Karlsruhe Institute of Technology (DE)
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