



5th Flash Conference of ERA-Chemistry

Big Task of Water Building and Destroying Molecules in Water

18 - 22 October 2009, Abtei Frauenwörth/Chiemsee, Germany



This flash conference deals with novel approaches to extend the views on chemistry in water. It is not about classical solution routes, but tends to bring together experts on the physicochemistry of water and self organisation with chemists working on modern synthetic routes in water, such as novel hydrothermal processes, microwave reactions, or employing the reactivity of confined water/artificial enzymes. As a result, it is strived for a joint modern view on the possibilities which water chemistry can provide for the society, say as clean water, as a sustainable replacement for organic solvents, and novel processes only enabled by water.

Organising Committee

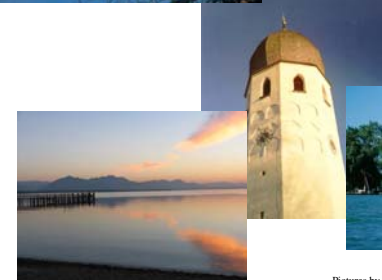
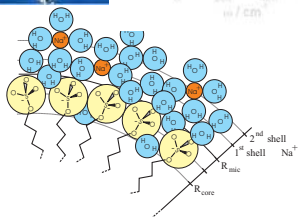
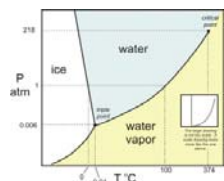
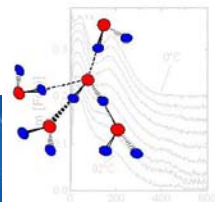
Werner Kunz, Regensburg, Germany
Thomas Zemb, Marcoule, France

Confirmed speakers

H. Eugene Stanley, Boston, USA
Ad van der Avoird, Nijmegen, Netherlands
Richard Buchner, Regensburg, Germany
Juan-Manuel Garcia-Ruiz, Granada, Spain
Daniel Harries, Jerusalem, Israel
John Finney, London, United Kingdom
Ivan Brovchenko, Dortmund, Germany
Chao-Jun Li, Montreal, Canada
Pedro M. P. Gois, Lisbon, Portugal
Ferenc Joó, Debrecen, Hungary
C. Oliver Kappe, Graz, Austria
Thilo Hofmann, Vienna, Austria
Véronique Rataj, Lille, France
Frédéric Goettmann, Marcoule, France
Gerd Brunner, Hamburg, Germany
Mika Mänttari, Lappeenranta, Finland
Raphael Semiat, Haifa, Israel

The conference will cover the following topics

What is so special in water? The present state of art
Self-organisation in water - chemical aspects
The role of water for material design, biomaterials etc.
Replacing organic solvents by water -
a major step towards green chemistry
Controlling chemical reactions in water and confined water
Purification of water
Novel hydrothermal processes
New aspects of industrial water-based processes



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