

Diffusion Fundamentals II

Basic Principles of Theory, Experiment and Application

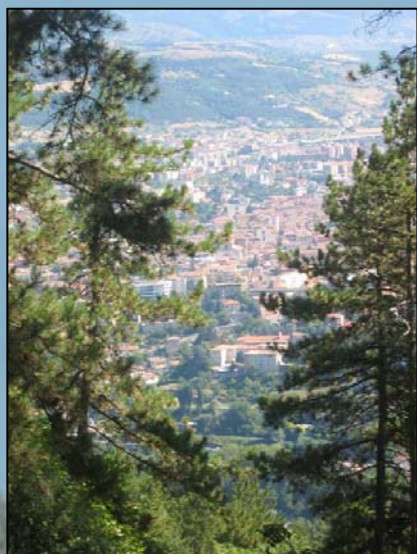
August 26th - 29th, 2007

L'Aquila, Italy

Two years after the Diffusion Fundamentals I Conference in Leipzig, the world-wide community of researchers in the field of diffusion is invited to L'Aquila to highlight the current developments in the field. Again, the conference will consist of invited plenary talks and poster sessions, where both chairmen and plenary speakers are encouraged to refer extensively to the posters referring to their sessions. Following the tradition, a Conference Volume with paintings of L'Aquila by the Japanese physicist and artist Taro Ito will appear as a souvenir for all participants.

The invited plenary talks will address a broad, interdisciplinary audience and include the following topics:

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| • <i>John Barker</i> (Southampton): | Diffusion in Hydrogeology |
| • <i>Clemens Bechinger</i> (Stuttgart): | Diffusion in Reduced Dimensionality |
| • <i>Kurt Binder</i> (Mainz): | Interdiffusion in Critical Binary Mixtures by Molecular Dynamics Simulation |
| • <i>Stefano Brandani</i> (Edinburgh): | Challenges in Macroscopic Measurement of Diffusion in Zeolites |
| • <i>Armin Bunde</i> (Giessen): | Percolation and Anomalous Diffusion in Disordered Materials |
| • <i>Richard Catlow</i> (London): | Atomistic Models of Diffusion in Solids |
| • <i>Luca Cavalli-Sforza</i> (Stanford): | Genetic and Cultural Diffusion |
| • <i>Ed Cussler</i> (Minneapolis): | Diffusion in Self-Assembled Composites |
| • <i>Hervé Jobic</i> (Villeurbanne): | QENS and the Benefit of Diffusion Measurement over Different Length Scales |
| • <i>Yossi Klafter</i> (Tel Aviv): | How Anomalous is Anomalous Diffusion? |
| • <i>Philip Kuchel</i> (Sydney): | Diffusion in Cells: NMR studies |
| • <i>Manfred Martin</i> (Aachen): | Diffusion in Oxides |
| • <i>Nikolaus Nestle</i> (Ludwigshafen): | Diffusion Challenges in (Chemical) Industries |
| • <i>Dieter Richter</i> (Jülich): | Polymer Dynamics: From Synthetic Polymers to Proteins |
| • <i>Giulio Sarti</i> (Bologna): | Fickian and non-Fickian Diffusion in Solid Polymers |
| • <i>Gero Vogl</i> (Vienna): | The Invasion of Newcomers: Isotopes, Neobiota, Foreigners |



The following session chairmen have accepted our invitation:

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| • <i>Farida Grinberg</i> (Leipzig) | • <i>Paul Heitjans</i> (Hannover) |
| • <i>Nick Kanellopoulos</i> (Athens) | • <i>Alexander V. Neimark</i> (Piscataway) |
| • <i>Charles Nicholson</i> (New York) | • <i>Takashi Odagaki</i> (Kyushu) |
| • <i>William S. Price</i> (Sydney) | • <i>Douglas M. Ruthven</i> (Orono) |
| • <i>Doros N. Theodorou</i> (Athens) | • <i>Subramanian Yashonath</i> (Bangalore) |

The Conference will take place during the celebrated L'Aquila Festival "Perdonanza" offering many options for a very special social programme, which, moreover, include an entertaining talk on the „(wo)men on the street“ with mathematical surprises by Albrecht Beutelspacher (Giessen).

- Conference Chairmen:
- Stefano Brandani (London/Edinburgh)
 - Jörg Kärger (Leipzig)
 - Roberto Volpe (L'Aquila)

visit www.diffusion-fundamentals.org for complete up-to-date information

jointly organized by



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