PREFACE

The Eighth Liquid Matter Conference

Guest Editors

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The Eighth Liquid Matter Conference (LMC8) was held at the Universität Wien from 6–10 September 2011. Initiated in 1990, the conferences of this series cover a broad range of highly interdisciplinary topics, ranging from simple liquids to soft matter and biophysical systems. The vast spectrum of scientific subjects presented and discussed at the LMC8 is reflected in the themes of the ten symposia:

- Ionic and quantum liquids, liquid metals
- Water, solutions and reaction dynamics
- Liquid crystals
- Polymers, polyelectrolytes, biopolymers
- Colloids
- Films, foams, surfactants, emulsions, aerosols
- Confined fluids, interfacial phenomena
- Supercooled liquids, glasses, gels
- Non-equilibrium systems, rheology, nanofluids
- Biofluids, active matter

This special issue contains scientific papers, authored by participants of the LMC8, which provide a cross-section of the scientific activities in current liquid matter science, as discussed at the conference, and demonstrate the scientific as well as methodological progress made in this field over the past couple of years.