



## Hot Nanoparticles and Nanostructures

*Scientific Symposium*  
Leipzig, 10.-11. October 2011

The symposium centers on the physics of laser-heated nanoparticles and nanostructures to touch on various aspects of physical chemistry and technological and medical applications.

It will gather leading experts from a rapidly emerging and highly interdisciplinary field at the intersection of nanophotonics and nanoscale nonequilibrium stochastic thermodynamics. The aim is to promote the development of new concepts of nanoparticle manipulation, such as hot Brownian motion, self-propelled nanoparticle transport, nanoscale thermophoresis, thermal nanoconductance and innovative technologies, such as nanoparticle tracking, trapping and steering, (dual-focus) photothermal correlation spectroscopy, and nanoparticle surgery.

### List of invited Speakers

**Jean-Louis Barrat**, Université Joseph Fourier Grenoble, France  
**Dieter Braun**, Ludwig Maximilians Universität München, Germany  
**Ramin Golestanian**, University of Oxford, UK  
**Gregory Hartland**, University of Notre Dame, USA  
**Baowen Li**, National University of Singapore, Singapore  
**Brahim Lounis**, University of Bordeaux I, France  
**Michel Orrit**, University of Leiden, Netherlands  
**Peter Reimann**, Universität Bielefeld, Germany  
**Masaki Sano**, University of Tokyo, Japan  
**Ralf Vogelgesang**, MPI Festkörperforschung Stuttgart, Germany  
**Alois Würger**, Université Bordeaux I, France  
**Haw Yang**, Princeton University, USA

### **Registration:**

- send contact data to  
[hotnano@uni-leipzig.de](mailto:hotnano@uni-leipzig.de)
- registration deadline: 31. August 2011
- registration fee: 150,- €/100,- € for senior scientists/students
- limited number of 60 participants

### **Contributing:**

- submit abstract to  
[hotnano@uni-leipzig.de](mailto:hotnano@uni-leipzig.de)
- submission deadline: 31. August 2011