

Symposium “IRIS 2015”

Friday, July 10th 2015, 9:00– 16:00 Uhr

Campus Adlershof of the Humboldt-Universität zu Berlin

Erwin Schrödinger-Zentrum, Room 0'119, Rudower Chaussee 26, 12489 Berlin

Welcome

Jan-Hendrik Olbertz: *Welcome Address*

Jürgen P. Rabe: *IRIS 2015 – Ambitions, Achievements, Perspectives*

Computation in the Sciences, Complex Systems & Mathematical Physics

Johann-Christoph Freytag: *Big Data and Science: Is There More You Can Ask For?*

Igor Sokolov: *Nanophase Separation in a Slit Pore: From Picture to Numbers and Back*

Michael Hintermüller: *Sparsity Preserving Reconstructions and Decompositions in (Mathematical) Image Processing*

Hybrid Systems

Nicola Pinna: *Novel Strategies to Metal Oxide Hybrid Nanostructures*

Kurt Busch: *Some Thoughts on Hybrid Photonic Systems*

Analytical Sciences and Biological Physics

Ulrich Panne: *Analytical Sciences in Action: The Graduate School SALSA*

Andreas Herrmann: *Molecular Mechanisms of Virus Cell Entry Studied at Single Virus Level*

Robert Ros: *Mechanical Nanotomography of Cells invading 3D-matrices*

Experimental Systems

Christian Kassung: *Analogue Versus Digital - An Obsolete Distinction?*

Barbecue

Tim's Canadian Deli: *Antipasti, Chicken-Sate, Bratwurst, & Beer*