

# Symposium “IRIS 2015”

Friday, July 10<sup>th</sup> 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*