

35th HEIDELBERG PHYSICS GRADUATE DAYS OCTOBER 5-9, 2015 AT THE DEPARTMENT OF PHYSICS AND ASTRONOMY



MORNING COURSES MONDAY TO FRIDAY, 9:30-12:30

BIOMOLECULAR SIMULATION Rebecca Wade, Frauke Gräter, Heidelberg Institute for Theoretical Studies (HITS)

SUPERCONDUCTIVITY AND SUPERCONDUCTING ELECTRONICS Rudolf Gross and Frank Deppe, Walther-Meißner-Institute for Low Temperature Research and Technische Universität München

COHERENT CONTROL OF ULTRAFAST DYNAMICS: FROM ATOMS TO SOLIDS Matthias Wollenhaupt, University of Oldenburg

EMPIRICAL INFERENCE AND LEARNING FROM DATA Michael Hirsch, Max Planck Institute for Intelligent Systems, Tübingen

IDEAS AND RESULTS OF THE MATHEMATICAL THEORY OF PHASE TRANSITIONS Manfred Salmhofer, Heidelberg University

PRESENTING RESEARCH RESULTS Ute Leidig, Heidelberg University

MONDAY TO FRIDAY, 14:00-17:00 AFTERNOON COURSES

EXPLORING COLLECTIVE FEATURES OF QCD IN HEAVY ION COLLISIONS Raju Venugopalan, Brookhaven National Laboratory, New York

FINITE QUANTUM SYSTEMS – FROM SEMICONDUCTOR QUANTUM DOTS AND WIRES TO ULTRA-COLD ATOMIC QUANTUM GASES Stephanie Reimann, Andreas Wacker, Lund University, Sweden

STATISTICS FOR PARTICLE AND ASTROPARTICLE EXPERIMENTS Kyle Cranmer, New York University

ISOTOPES AND ISOTOPOLOGUES – FROM FUNDAMENTAL PHYSICS TO EVERYDAY APPLICATIONS Tobias Kluge, Heidelberg University

BEYOND THE STS-MYTH AND JARGON: HOW SCIENCE BUILDS ON SCIENTIFIC REVOLUTIONS, CONVERGENCE, K-RESOURCES, DYNA-MICS, CORE-CONTEXTS AND FRONTIERS OF THEORY DEVELOPMENT Giridhari Lal Pandit, University of Delhi

WATERFALLS IN FINANCE AND ACCOUNTING FOR HEISENBERG Team d-fine, d-fine, Frankfurt am Main

STUDENT REPRESENTATIVES' WELCOME TUESDAY, OCTOBER 6, 2015, 17:15

Holger Jörg, Stephan Helmrich

ADDITIONAL LECTURE WEDNESDAY, OCTOBER 7, 2015, 17:30

LIGHT SOURCES FOR EUV-MICROLITHOGRAPHY Michael von Borstel, TRUMPF Lasersystems for Semiconductor Manufacturing, Ditzingen

FOLLOWED BY A **GET-TOGETHER WITH BEER AND PRETZELS**

For registration and further information, see http://gsfp.physi.uni-heidelberg.de/graddays



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HANS JENSEN INVITED LECTURE THURSDAY, OCTOBER 8, 2015, 17:30

NANOSCOPY WITH FOCUSED LIGHT **Stefan Hell,** Max Planck Institute for Biophysical Chemistry, Göttingen

FOLLOWED BY THE D-FINE BARBECUE

