

Colloquia

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SPRING 2014

FEB 12

Selim Ünlü — *Boston University, Massachusetts, USA*
Ultrasensitive Digital Detection of Nanoparticles:
Viral Diagnostics and Multiplexed Protein and Nucleic Acid Assays

FEB 19

Thomas Südmeyer — *University of Neuchâtel, Neuchâtel, Switzerland*
Recent trends in ultrafast lasers and frequency combs

FEB 26

John A. Rogers — *University of Illinois at Urbana-Champaign, Illinois, USA*
Materials and Mechanics Concepts for Bio-Integrated, Transient Electronics

MAR 12

Jan Wehr — *Arizona University, Arizona, USA*
What is the equation of motion of a Brownian particle?

MAR 19

Lukas Novotny — *ETH Zurich, Zurich, Switzerland*
Cooling and Amplification of a Vacuum-Trapped Nanoparticle

MAR 26

Dietmar Kracht — *LZH, Hannover, Germany*
3D Laser Printing: Challenges for the next industrial revolution

APR 09

Carlo Sirtori — *Université Paris-Diderot, CNRS, Paris, France*
Superradiant electroluminescence and collective phenomena
in a low dimensional electron gas

APR 16

Gunter Schütz — *Forschungszentrum Jülich GmbH, Jülich, Germany*
Surprising physics in one dimension - From molecular motors to
anomalous diffusion

MAY 14

Axel Winter — *ITER, St. Paul Lez Durance, France*
ITER and nuclear fusion: An energy source for the future

day

WEDNESDAY

location

EE01

time

15:40

The Physics Colloquia are designed to address a non-specialist, broad audience and introduce topics of contemporary research through lectures by leading experts. We warmly invite all members of the student body, including undergraduates enrolled in any programme.