16th IUVSTA Summer School on Physics at Nanoscale Devět Skal, Czech Republic 12th - 1th June 2017





16th IUVSTA International Summer School on

Physics at Nanoscale

12th - 17th June 2017 Devět Skal, Czech Republik

Download School flyer or Poster



About Programme Speakers Contacts Organizers

Main

Sponsors

Ge



The schools aims at presenting current trends of research at both tutorial as well as state-of-the-art level. The school will also connect the fundamental research to the vital areas of technology; nano-electronics, renewable energy and life science applications.

Antonín Fejfar (school co-chair)

Institute of Physics, Academy of Sciences of the Czech Republic, Cukrovarnická 10, 162 53 Prague 6, Czech Republic

Tomáš Šikola (school co-chair)

Institute of Physical Engineering, Faculty of Mechanical Engineering, Broo University of Technology, Technická 2, 616 69 Broo, Czech Republic

The school is organized jointly by Institute of Physical Engineering FME BUT, CEITEC, Institute of Physics ASCR, Czech Physical Society and Czech Vacuum Society as the 16th International Summer School of IUVSTA which endorsed it through its Nanometer Structures Division. Part of the school dedicated to the solar energy utilization will focus on the recent developments of the high efficiency solar cells within the Horizon 2020 project NextBase and it is twinned with the Photovoltaic Systems Summer School 2017 organized by TU Delft.



http://iss.fzu.cz/





3

The school attendees

150 people (14 speakers, 112 participants, 24 company representative) from 18 countries:

Austria, Belgium, China, Czech Republic, France, Germany, India, Iran, Israel, Italy, Luxembourg, Poland, Russia, Slovenia, Spain, Switzerland, the Netherlands and U.S.A.

Arrivals



Paul S Weiss:

The Brain Has Always Been Nano





Dave Cahen

The amazing last decade in Solar Cells



with P.K. Nayak (U. of Oxford)

thanks to G. Hodes, R. Milo, M. Green (UNSW), A. Kahn (PU) +++

funding from SAERI (WIS); Israel: Min. of Sci. & Technol. & Nat'l. NanoInitiative

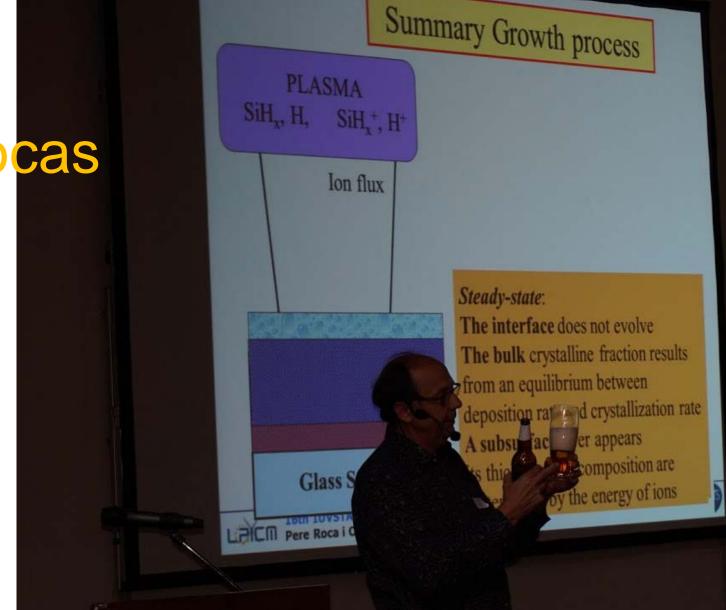


Cahen group WIS 2017



Pere Roca i Cabarrocas

Growth experiments on stage



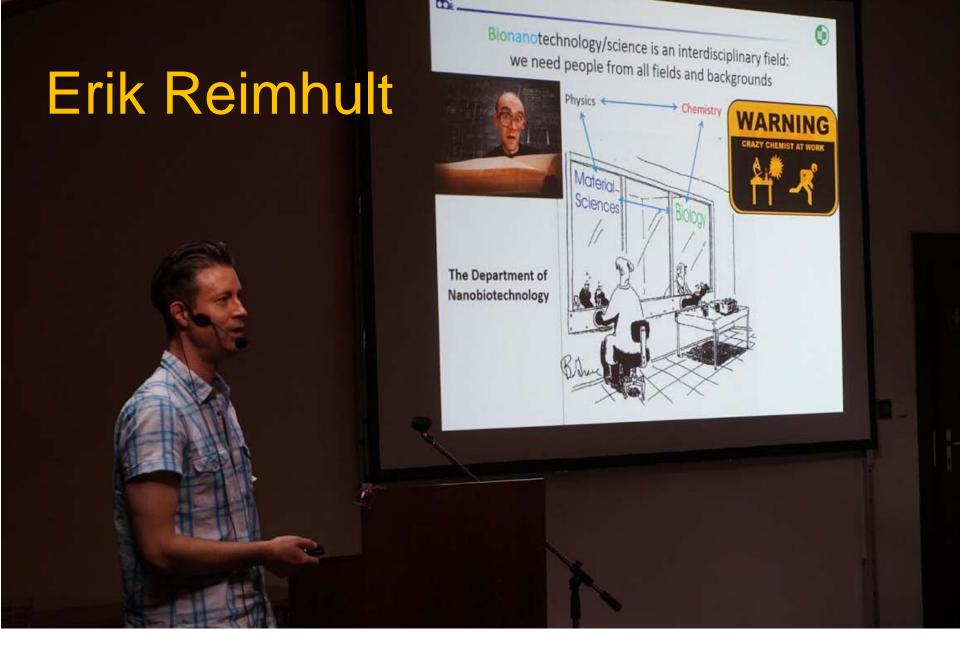


Gareth Parkinson:

Iron oxides are all around us









Poster session





16th IUVSTA Summer School on Physics at Nanoscale 2017, Czech Republic





Discussion







and more ...





16th IUVSTA Summer School on Physics at Nanoscale 2017, Czech Republic

Nonlinear plasmonics

Olivier J.F. Martin Nanophotonics & Metrology Laboratory Swiss Federal Institute of Technology Lausanne (EPFL) www.nanophotonics.ch

1

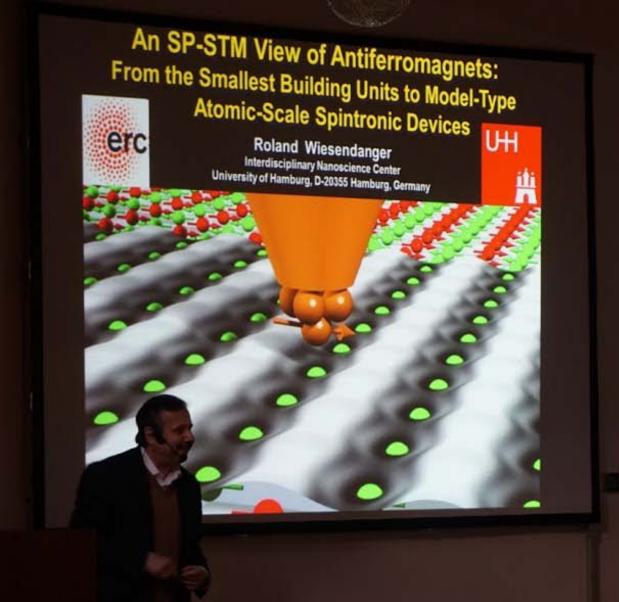
Olivier Martin



and the audience ...

100







16th INVSTA Summer School on Physics at Nanoscale 2

Czech Republic

Company evening



16th IUVSTA Summer School on Physics at Nanoscale 2017, Czech Republic

[mas]



Evenings

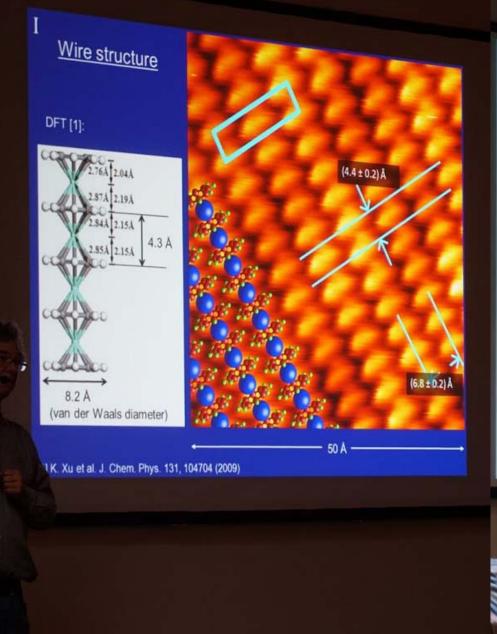


Panel discussion





16th IUVSTA Summer School on Physics at Nanoscale 2017, Czech Republic







16th IUVSTA Summer School on Physic

Poster awards

- S. Lancaster et al: Boron incorporation in GaAs nanowires grown by molecular beam epitaxy
- J. Rozbořil et al. Magneto-optical properties of single molecular magnet thin films)
- M. Horký et al: Magnetic phase transition asymetry dependent on the spatial confinement of FeRh patterns.



•