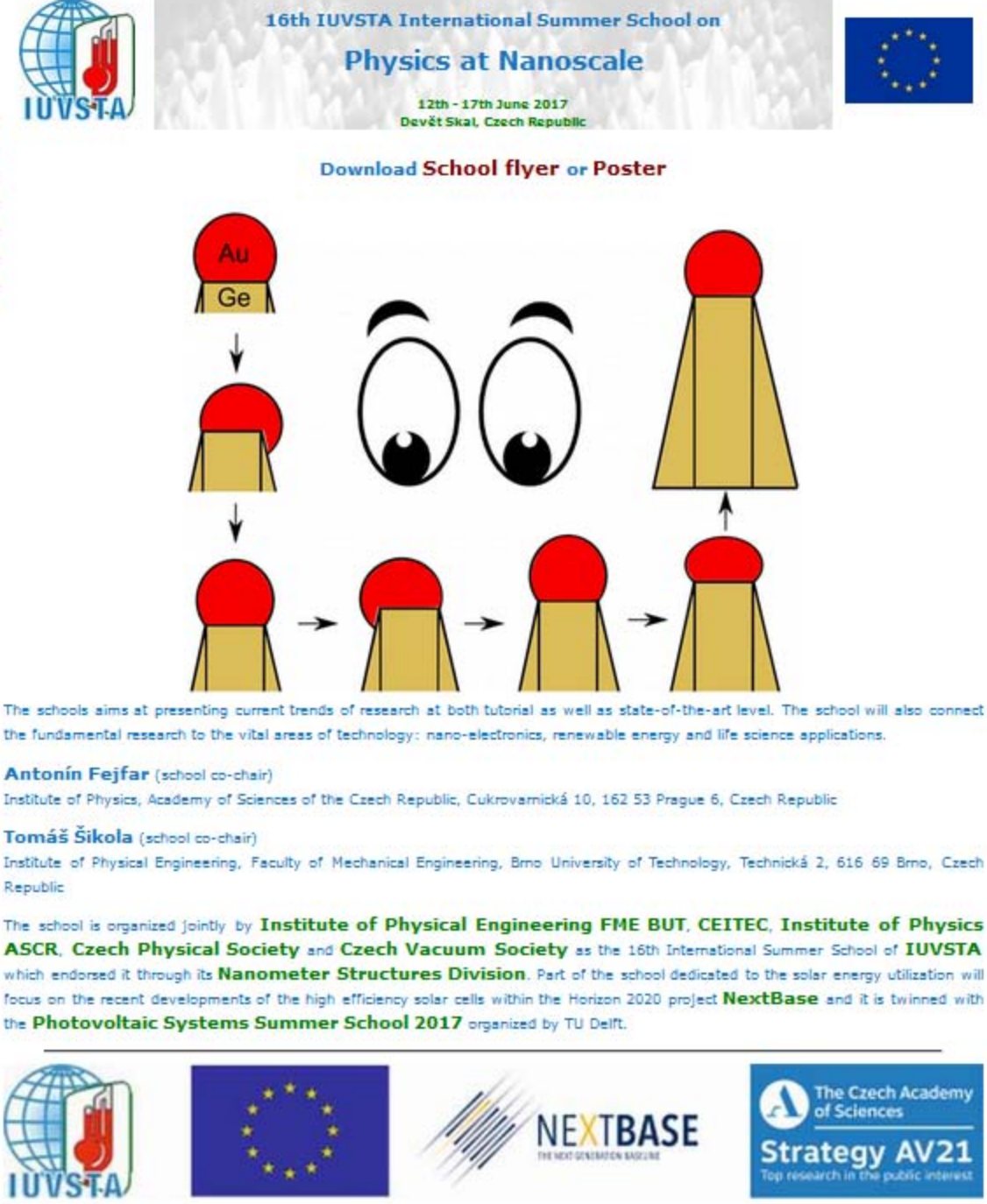
16th IUVSTA Summer School
on
Physics at Nanoscale

Devět Skal, Czech Republic

12th - 1th June 2017

School webpage:

http://iss.fzu.cz/



School venue

Orea - Hotel Devět Skal

GPS: 49°40'4.58"N,16°5'22.86"E

The school attendees

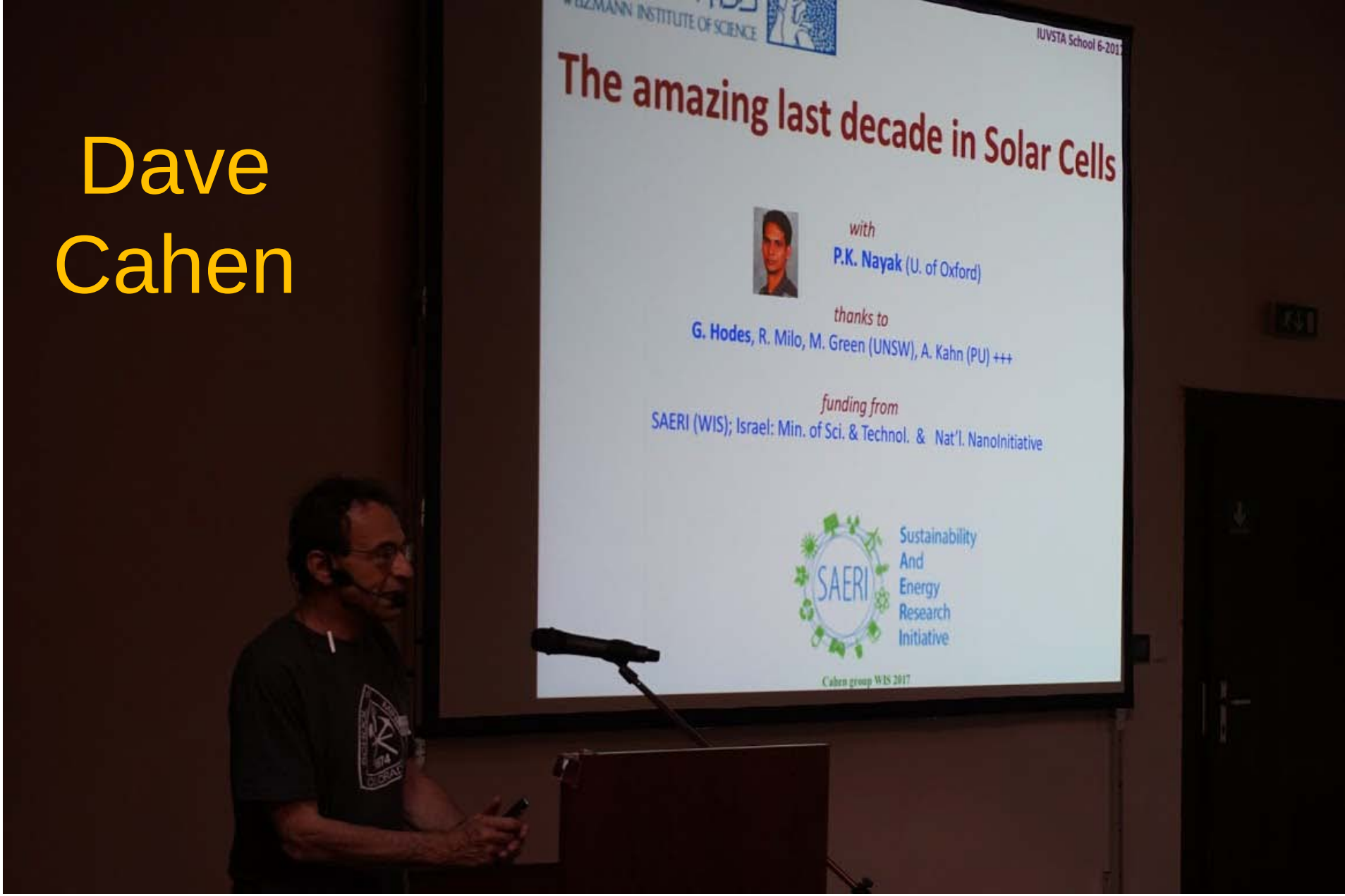
150 people (14 speakers, 112 participants, 24 company representative) from 18 countries:

Arrivals

Paul S Weiss:

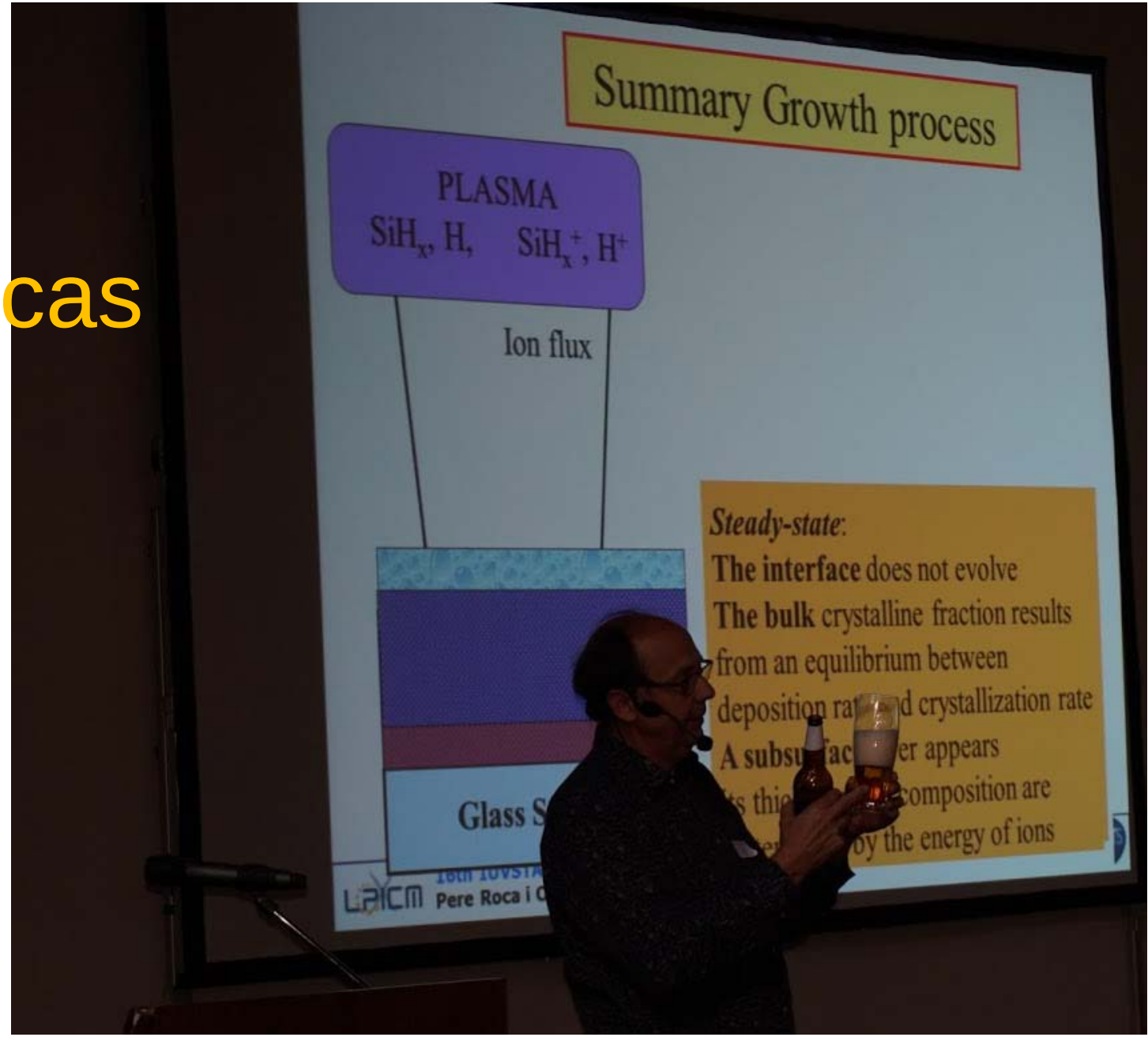
The Brain Has Always Been Nano

Dave Cahen


WEIZMANN INSTITUTE OF SCIENCE
IUVSTA School 6-201
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
SAERI
Sustainability
And
Energy
Research
Initiative
Cahen group WIS 2017

Pere Roca i Cabarrocas

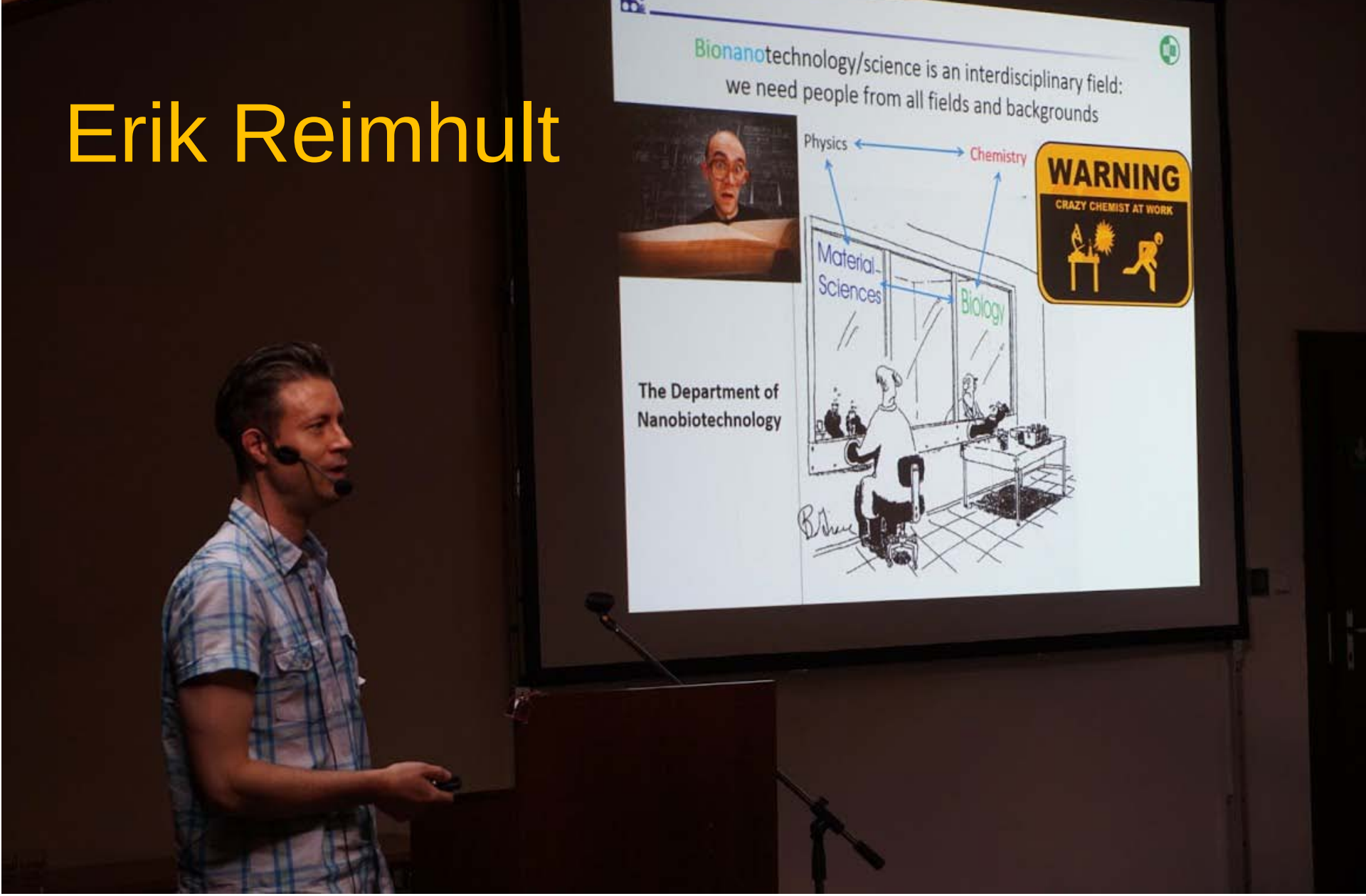
Growth experiments on stage



Gareth Parkinson:

Iron oxides are all around us

Erik Reimhult



Poster session


BRNO FACULTY UNIVERSITY OF MECHANICAL

Discussion

and more …

Olivier Martin


and the audience …


An SP-STM View of Antiferromagnets:
From the Smallest Building Units to Model-Type
Atomic-Scale Spintronic Devices
erc
Roland Wiesendanger
Interdisciplinary Nanoscience Center
University of Hamburg, D-20355 Hamburg, Germany
UHH

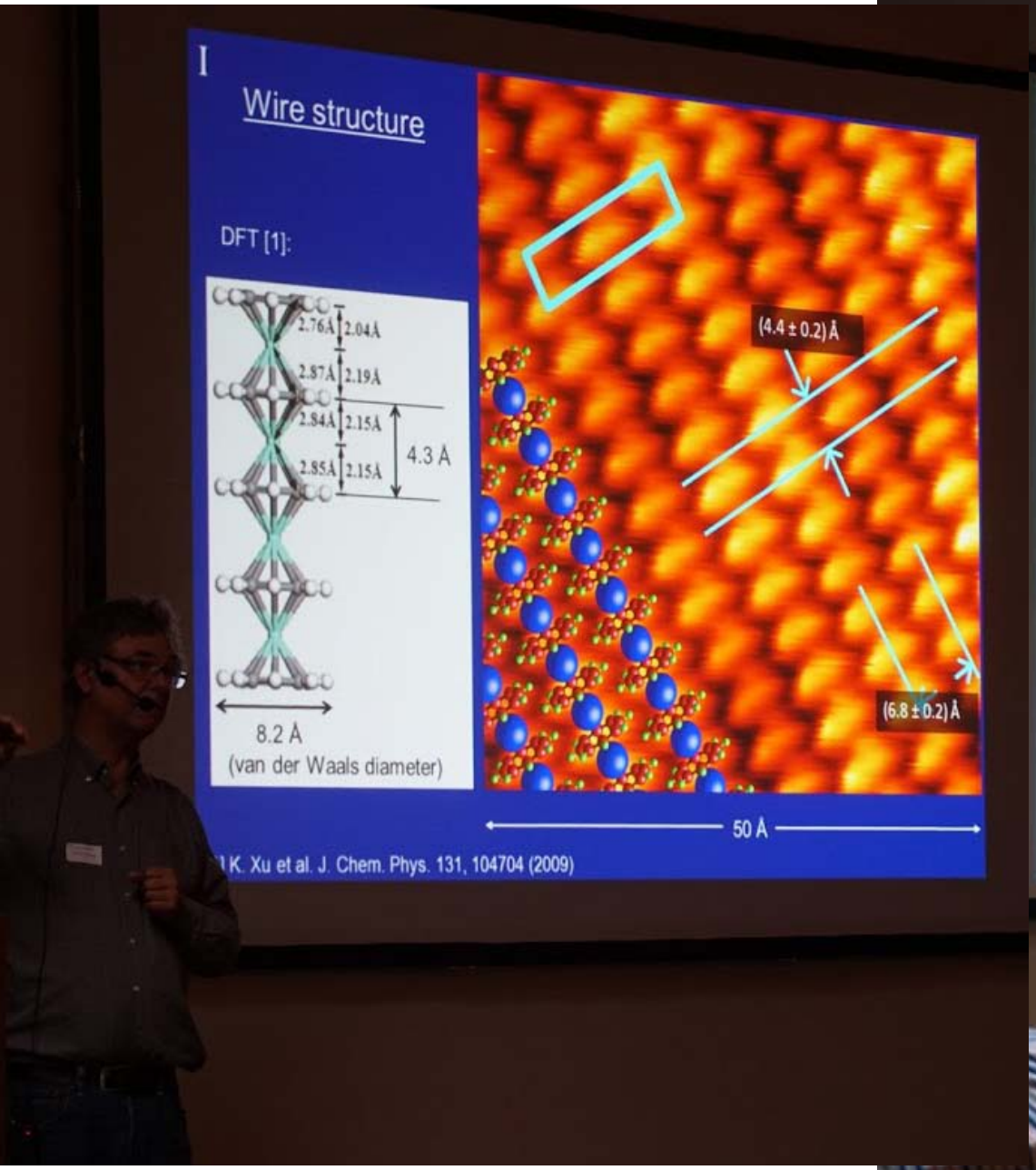
Excursion

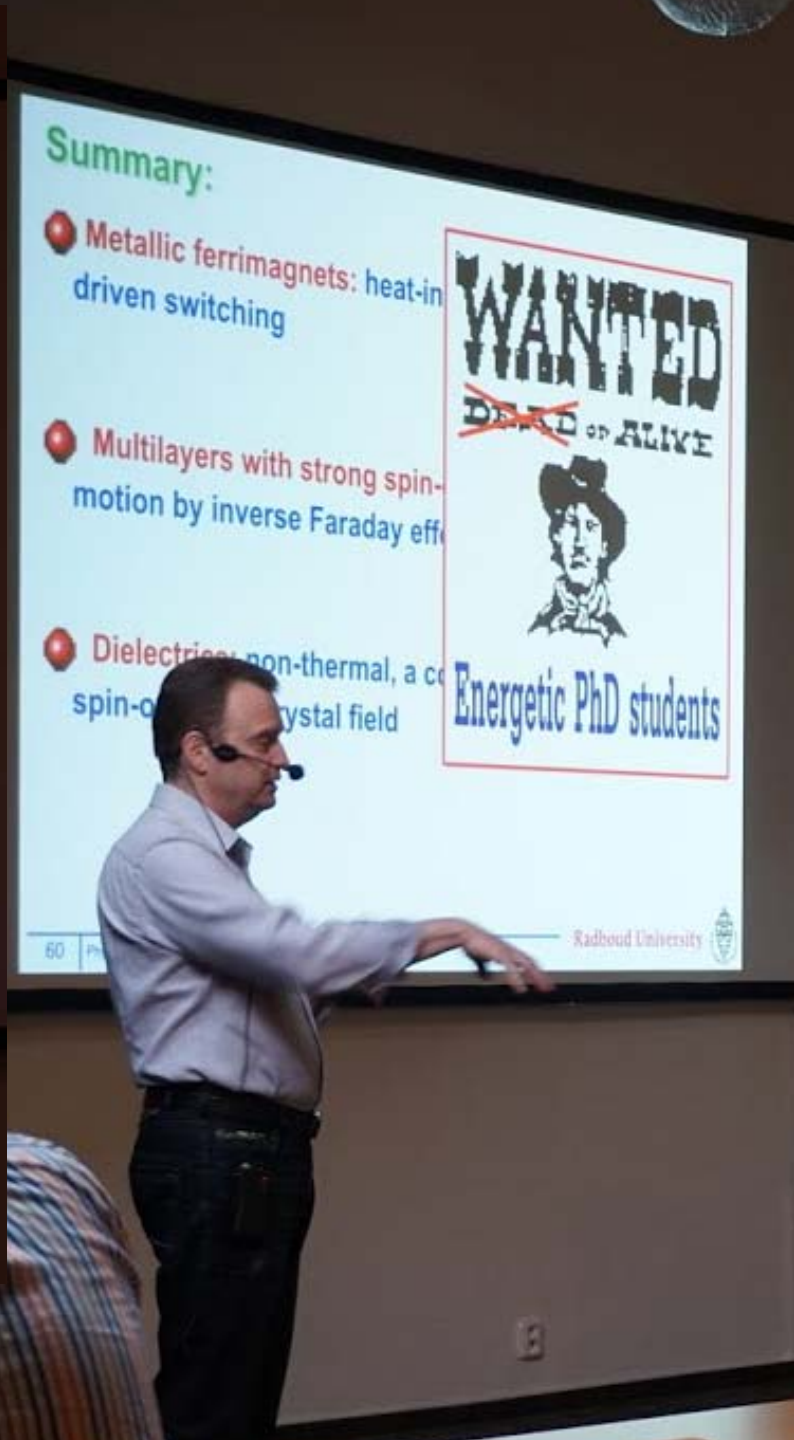
Company evening

Afternoons

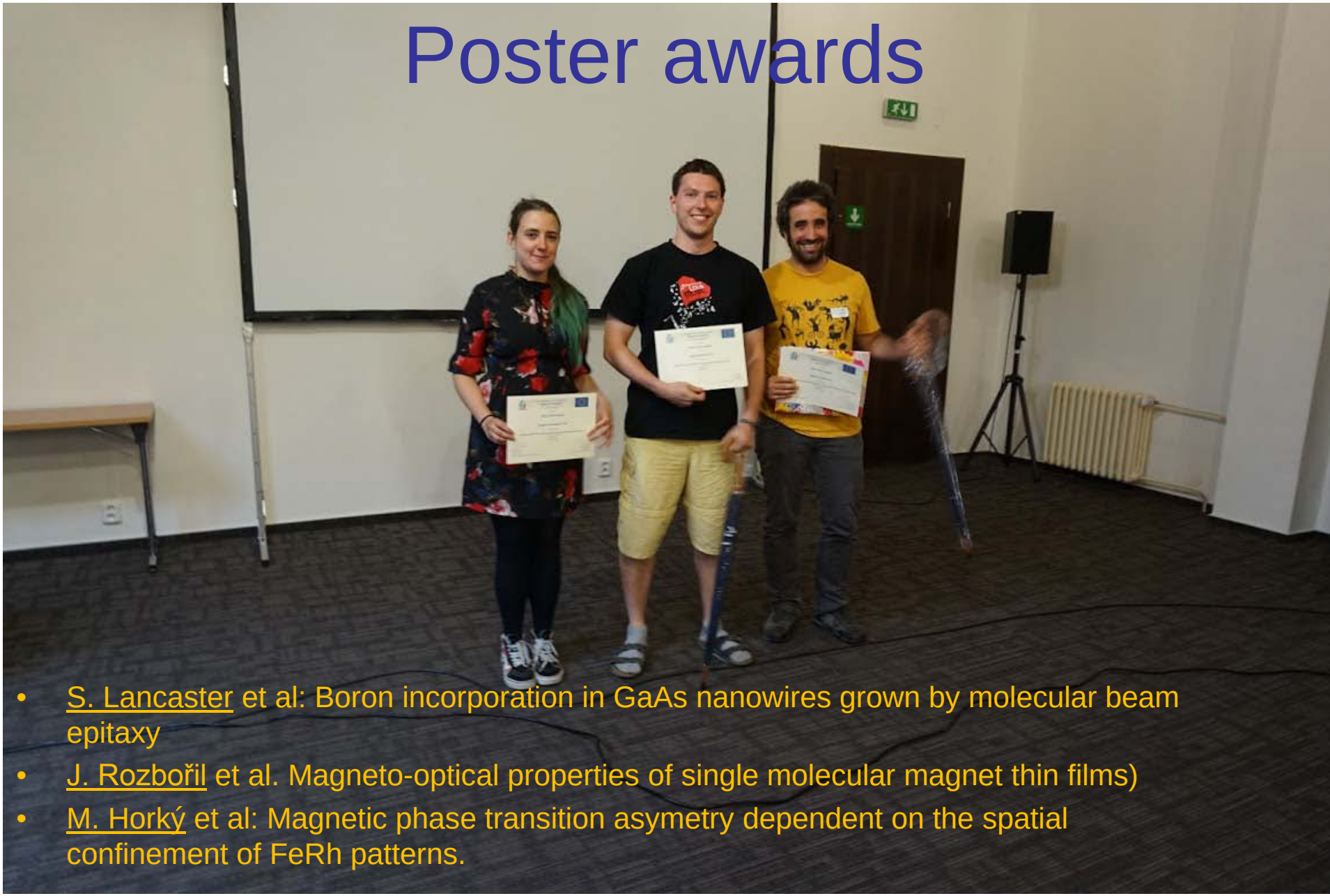
Evenings

Panel discussion


I
Wire structure
DFT [1]:
2.76Å
2.04Å
2.87Å
2.19Å
2.84Å
2.15Å
2.85Å
2.15Å
4.3 Å
8.2 Å
(van der Waals diameter)
(4.4 ± 0.2) Å
(6.8 ± 0.2) Å
50 Å
K. Xu et al. J. Chem. Phys. 131, 104704 (2009)


Summary:
Metallic ferrimagnets: heat-in
driven switching
Multilayers with strong spin-
motion by inverse Faraday eff
Dielectrics: non-thermal, a c
spin-o
ystal field
WANTED
DEAD or ALIVE
Energetic PhD students
Radboud University

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.