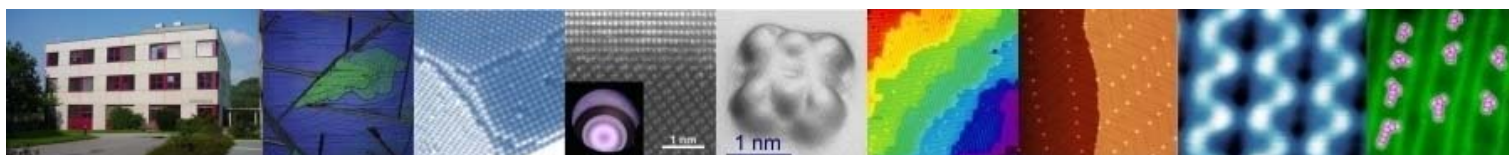


**SPACE FOR ENGINEERING
AND NATURAL SCIENCES.**



NANOFORUM 2016



JULY 1ST, 2016

HS17

08:30-17:15

EXTERNAL INVITED SPEAKERS

Stephan Geprägs - WMI, Garching

"Spin Seebeck as a probe for magnon properties"

Harald Köstenbauer - Plansee SE, Reutte

"Material Trends in Thin Film Transistors for Display Applications"

Xavi Marti - Czech Academy of Sciences, Univ. Nottingham and IGS Research

"Using spintronics from nano to geo: a successful technology transfer case"

full program:

<http://www.jku.at/hfp/content/e184016>



**JOHANNES KEPLER
UNIVERSITY LINZ**

NANOFORUM 2016 – PROGRAM

(HS17 – July 1st, 2016)

- 8:30 – 8:50** Cristina Plamadeala: *"Two-photon polymerization for biomedical and biomimetic applications"* (AP)
- 8:50 – 9:10** Cornelia Reitböck: *"Monolayer sensitive and nondestructive investigation of organic surfaces and semiconductors by nonlinear optical methods"* (ZONA)
- 9:10 – 9:30** Huiying Huang: *"Energy-tunable quantum light emitting diode based on GaAs quantum dots"* (HLP)
- 9:30 – 9:50** Dmitry Sivun: *"Anticorrelation of photoluminescence from gold nanoparticle dimers with hot-spot intensity"* (AP)
- 9:50 – 10:35** Harald Köstenbauer: *"Material Trends in Thin Film Transistors for Display Applications"* (Plansee SE, Reutte, A) - (ie)
- 10:35 – 10:50** **Coffee-Break**
- 10:50 – 11:25** Wolfgang Hilber: *"Embedded transducers based on polymer nanocomposites"* (Institute for Microelectronics and Microsensors, FB Mechatronik) - (ii)
- 11:25 – 11:45** Markus Kastner: *"Nanolithography based capturing of biomolecules and viral pathogens"* (BioP)
- 11:45 – 12:30** Xavi Marti: *"Using spintronics from nano to geo: a successful technology transfer case"* (Czech Academy of Sciences, Univ. Nottingham and IGS Research) - (ie)
- 12:30 – 13:30** **Lunch-Break**
- 13:30 – 14:15** Stephan Geprägs: *"Pure spin currents in magnetic insulator / normal metal heterostructures"* (WMI, Garching, D) - (ie)
- 14:15 – 14:50** Markus Ableidinger: *"Introduction to stochastic ferromagnetism"* (Institut für Stochastik, FB Mathematik) - (ii)
- 14:50 – 15:10** Dominik Kreil: *"Excitations in the spin polarized electron liquid"* (Macke Preisträger) - (ii)
- 15:10 – 15:25** **Coffee-Break**
- 15:25 – 16:00** Lisa Uiberlacker: *"Thermo-mechanical characterization of thermosets on the nanoscale"* (Institut für Polymerwissenschaften, FB Chemie) - (ii)
- 16:00 – 16:35** Javier Martín-Sánchez: *"Micro-machined Piezoelectric Actuators for Elastic Strain Engineering"* (Abteilung Halbleiterphysik, FB Physik) - (ii)
- 16:35 – 16:55** Dietmar Roth: *"Electronic interactions of low energy hydrogen ions with oxides: from metal to insulators"* (AOP)
- 16:55 – 17:15** Sandra Posch: *"Inter- and intramolecular interactions of von Willebrand factor studied by AFM-based single molecule force spectroscopy"* (BioP)

(ie) – invited external speaker

(ii) – invited JKU-internal speaker