

Nanomechanical Testing Workshop & Hysitron User Meeting

April 21-23, 2015

Hosted by Max Planck Institute of Colloids and Interfaces, Potsdam, Germany in cooperation with Hysitron, Inc.



Keynote Speaker

Mathias Göken, Universität Erlangen-Nürnberg (Germany)

Confirmed Invited Speakers

Eve Donnelly, Cornell University (USA)

"Nanomechanical and Compositional Characterization of Bone Tissue in Health and Disease"

Johannes Konnerth, University of Natural Resources and Life Sciences (Austria)

"Novel Applications of Nanoindentation in Wood Science - Mechanical Properties and Interface Performance of Wood Cell Walls"

Martin Gall, Fraunhofer IKTS-MD (Germany)

"In-Situ Investigation of Time-Dependent Dielectric Breakdown Mechanisms in Cu/Low-k Nano-Interconnects"

Finn Giuliani, Imperial College London (United Kingdom)

"Imaging Stress Induced Domain Movement in Barium Titanate by In Situ Electron Microscopy"

Helge Fabritius, Max Planck Institute for Iron Research (Germany)

"Small-Scale Structure-Property Relations in Structurally Graded Biological Materials"

Program Committee

Peter Fratzl, Max Planck Institute of Colloids and Interfaces (Germany)

Emil Zolotoyabko, Technion - Israel Institute of Technology (Israel)

Roland Bennewitz, INM Saarbrücken (Germany)

Igor Zlotnikov, Max Planck Institute of Colloids and Interfaces (Germany)

Douglas Stauffer, Hysitron, Inc. (USA)

Oden Warren, Hysitron, Inc. (USA)

Steering Committee

Eduard Arzt, INM Saarbrücken (Germany), Thomas Wyrobek, Hysitron, Inc. (USA)

Nanobrücken 2015: A Nanomechanical Testing Workshop & Hysitron User Meeting will take place April 21-23, 2015 at the Max Planck Institute of Colloids and Interfaces in Potsdam, Germany. This will be the 5th edition of the now-annual Nanobrücken workshop series, held thus far at INM Saarbrücken in 2010, 2012, and 2014, and TU Dresden and Fraunhofer IZFP Dresden in 2013. As in the past, the workshop is open to all aspects of nanomechanical and nanotribological testing, including biomechanical, in-situ experimentation and theory/simulation. We look forward to seeing you in Potsdam in late April!

ABSTRACT SUBMISSION

In addition to Keynote, Invited, and Contributed Talks, there will be a Student Talk Competition open to anyone who is a student at the time of the workshop, and a Poster Competition open to everyone. Please use this Abstract Template to submit your abstract to nanobruecken2015@gmail.com with ABSTRACT in the subject line.

Oral Presentation Guidelines

The workshop prefers that you use your own laptop computer. However, bringing a backup of your presentation file on a memory stick is recommended.

Poster Presentation Guidelines

Posters should be prepared in A0 portrait format; stands and pins will be provided.

Workshop Events

Conference dinner and awards banquet (included with registration).

Oral Presentations, with award for best student talk.

Poster Sessions, with appropriate beverages and award for best poster.

Coffee and lunches will be provided during the workshop.

Registration

To register for Nanobrücken 2015, please visit <http://www.hysitron.com/nb2015>

Full Participant, Non-Student = €150