

2017 Nordic Bruker AFM User Meeting and Workshop

Tuesday September 26th 2017

MAX IV Laboratory, Fotongatan 2, 225 94 Lund, Sweden

Program

- 08:30 **Registration**
- 08:55 **Welcome**
Stephen Badger, BlueScientific Ltd
- 09:05 **Combining SPM with other techniques to understand defects in Gallium Nitride**
Rachel Oliver, University of Cambridge, United Kingdom
- 09:30 **AFM studies of Nitride-based optoelectronic nanostructures: From atomic-scale surface structure to piezoelectricity**
Rainer Timm, Lund University
- 09:50 **Advanced Electric Force Microscopy of low-dimensional electron systems**
Alexei Kalaboukhov, Chalmers University of Technology
- 10:10 **Block Copolymer Nanolithography for Pattern Transfer**
Anette Lofstrand, Lund University
- 10:30 **Coffee & Fika**
- 11:00 **Peak Force Tapping and Fast Force Mapping based methods for high resolution nano electrical and nano mechanical characterisation**
Peter Dewolf, Bruker Nano Surfaces
- 11:30 **Nanoindentation basics and nanomechanical mapping at different length scales**
Jaroslav Lukes, Bruker Nano Surfaces
- 12:00 **Lunch**
- 13:00 **Group A - Demonstration of Fastscan AFM and Peak Force Tapping**
Group B - Tour of MAX IV
- 14:00 **Group A – Tour of MAX IV**
Group B - Demonstration of Fastscan AFM and Peak Force Tapping
- 15:00 **Coffee**
- 15:30 **AFM Sample Measurements with the Bruker Fastscan AFM**
- 17:30 **End of Meeting**