

Press Release

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The Business of Science®

Oxford Instruments Asylum Research and McGill University Announce the McGill AFM Summer School and Workshop, May 12-13, 2016

April 27, 2016 (Santa Barbara, CA) McGill University Department of Physics and Oxford Instruments Asylum Research are pleased to announce the McGill AFM Summer School and Workshop, May 12-13, 2016. The Workshop focuses on nanoelectrical and nanomechanical characterization using atomic force microscopy (AFM) techniques. The agenda includes lectures by leading AFM researchers, equipment demonstrations, a poster session, and an information-rich question and answer period. Ideal for those with some AFM experience, attendees will ultimately come away with a better understanding of the “how-to’s” and “whys” of these techniques so they may incorporate them into their own research.

“We are excited to be partnering with Asylum Research for further educating our local AFM community on nano-mechanical and electrical characterization,” said Dr. Peter Grütter, Physics Dept. Chair. “Asylum has been at the forefront of AFM innovation and has unceasingly supported education for AFM users. This is a great opportunity for our invited speakers and Asylum experts to share their extensive knowledge of these techniques so our users can hone their AFM skills and better understand their results.”

The McGill Summer School features lectures from these leading researchers:

Dr. Emily Cranston, Assistant Professor, McMaster University

Dr. Peter Grütter, Chair, Dept. of Physics, McGill University

Donald McGillivray, Graduate Teaching Assistant, University of Waterloo

Jason Wang, Research Engineer, University of New Brunswick

Sophia Hohlbauch and Keith Jones, Applications Scientists, Asylum Research

Rob Cain, US Technical Sales Manager, Asylum Research

A small registration fee of \$50 includes all workshop expenses. All attendees are encouraged to bring a poster to the poster session. Registration and full program can be found at: www.oxford-instruments.com/McGill-Workshop.

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About Oxford Instruments Asylum Research

Oxford Instruments Asylum Research is the technology leader in atomic force microscopy for both materials and bioscience research. Asylum Research AFMs are used for a wide variety of nanoscience applications in material science, physics, polymers, chemistry, tribology, biomaterials, and bioscience, including emerging applications in energy storage and generation, low-dimensional materials, and biophysics.

Asylum's MFP-3D family of AFMs includes four different models that span a wide range of performance, applications, and budgets. The MFP-3D Infinity is the flagship of the family, offering the highest performance, simplest operation, and widest range of capabilities. The MFP-3D Classic, offered for mid-range budgets, provides high performance and versatility that exceeds most AFMs. The MFP-3D Origin is the most affordable model, offering the same performance as the MFP-3D Classic with many accessories and an easy upgrade path to advanced capabilities. Finally, the MFP-3D-BIO integrates with an inverted light microscope to support biological and photonic applications.

Cypher is the highest resolution fast scanning AFM and is available in two configurations, the Cypher S and Cypher ES Environmental AFM.

They provide low-drift closed loop imaging for the most accurate images and measurements possible today, >20X faster imaging with small cantilevers, exceptional ease of use, and integrated thermal, acoustic and vibration control – all in a small footprint. Cypher AFMs routinely achieve higher resolution than other AFMs, as demonstrated by single point atomic defects in crystal lattices and imaging of the DNA double helix. The Cypher ES adds gas and liquid environmental control, temperature control, and enhanced chemical compatibility to the extraordinary performance of the Cypher S.

In addition to the best AFMs, Asylum Research also offers unmatched customer support that is free for the lifetime of the AFM and industry-leading warranties for the lowest cost of ownership of any AFM. Asylum has sales, applications and service staff in offices in the United States, Germany, United Kingdom, Japan, France, India, China and Taiwan and global distribution.

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About Oxford Instruments plc

Oxford Instruments designs, supplies and supports high-technology tools and systems with a focus on research and industrial applications. Innovation has been the driving force behind Oxford Instruments' growth and success for over 50 years, and its strategy is to effect the successful commercialisation of these ideas by bringing them to market in a timely and customer-focused fashion.

The first technology business to be spun out from Oxford University, Oxford Instruments objective is to be the leading provider of new generation tools and systems for the research and industrial sectors with a focus on nanotechnology. Its key market sectors include nano-fabrication and nano-materials. The company's strategy is to expand the business into the life sciences arena, where nanotechnology and biotechnology intersect.

This involves the combination of core technologies in areas such as low temperature, high magnetic field and ultra high vacuum environments; Nuclear Magnetic Resonance; x-ray, electron, laser and optical based metrology; atomic force microscopy; optical imaging; advanced growth, deposition and etching.

Oxford Instruments aims to pursue responsible development and deeper understanding of our world through science and technology. Its products, expertise, and ideas address global issues such as energy, environment, security and health.

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