

International Workshop on Bismuth-containing Semiconductors: Theory, Simulation and Experiment

University of Surrey, Guildford, United Kingdom
18-20 July 2011

First Announcement (January 2011)

Dear Colleagues,

In 2008 we began organizing an international network of researchers interested in establishing and participating in a global experimental and theoretical network for the investigation, development, and application of bismuth containing compound semiconductor materials and related highly mis-matched alloys. Following the success of the first meeting held in Michigan in July 2010 we are organising a three-day workshop scheduled to be held at the University of Surrey, Guildford, United Kingdom, from 18-20 July 2011.

Topics will include but are not limited to:

- Epitaxial techniques for growing Bismuth alloys and other metastable semiconductors
- Theory of the electronic band structure of Bismides and other highly mis-matched alloys
- Optical, electronic and structural characterisation of Bismide and related alloys
- Device Physics (photonics, electronics, spintronics and thermoelectrics)
- System demands and applications

In addition to the technical programme there will be ample opportunity to explore this beautiful and historic part of England.

Further information about the meeting and abstract submission can be found at the web-site, www.bismides.net.

We look forward to welcoming you to Surrey.

Stephen Sweeney, University of Surrey, UK (Chair)
Shane Johnson, Arizona State University, USA
Stephan Koch, Philipps-Universität, Marburg, Germany
Joanna Mirecki Millunchick, University of Michigan, Ann Arbor, USA
Patricia Mooney, Simon Fraser University, Burnaby, Canada
Tom Tiedje, University of Victoria, Canada

