

## ZERNIKE INSTITUTE COLLOQUIUM 2010/2011

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|--------------------|---|--|
| October 7          | <b>Mervyn Miles</b><br>H.H. Wills Physics Laboratory<br>IRC in Nanotechnology<br>University of Bristol, UK  | High-speed AFM and the holographic Assembler - soft matter imaging and manipulation          |
| November 4         | <b>Robin Nicholas</b><br>Clarendon Laboratory<br>Physics Department<br>Oxford University<br>Oxford, UK  | Graphene and carbon nanotubes: The new forms of carbon which are revolutionizing electronics |
| December 2         | <b>Roland Wiesendanger</b><br>Institut für Angewandte Physik und<br>Zentrum für Mikrostrukturforschung<br>Universität Hamburg<br>Hamburg, Germany             | Exploring the Spin in the Nanoworld  |
| January 13         | <b>Erik Bakkers</b><br>Eindhoven University of Technology &<br>Delft University of Technology   | Periodic Nanowire Structures   |
| February 3         | <b>Laura Gagliardi</b><br>Department of Chemistry<br>University of Minnesota<br>Minneapolis, USA  | Modeling novel compounds related to renewable energies with quantum chemical methods         |
| March 24           | <b>Anthony K. Cheetham,</b><br>Department of Materials Science and<br>Metallurgy<br>University of Cambridge<br>Cambridge, UK                                  | Properties and Potential Applications of Inorganic-Organic Framework Materials               |
| April 7            | <b>Jürgen Köhler</b><br>Chair for Experimental Physics IV<br>University of Bayreuth<br>Bayreuth, Germany  | Single-Molecule Spectroscopy on Multichromophoric Systems                                    |
| May 3<br>Tuesday ! | <b>Fred Wudl</b><br>Department of Chemistry and<br>Biochemistry<br>University of California<br>Santa Barbara, USA   | Recent Advances in Materials for Organic Electronics at Santa Barbara                        |
| June 9             | <b>Michelle Simmons</b><br>Centre of Excellence for Quantum<br>Computer Technology<br>School of Physics<br>University of New South Wales<br>Sydney, Australia | Single Atom Devices in Silicon   |