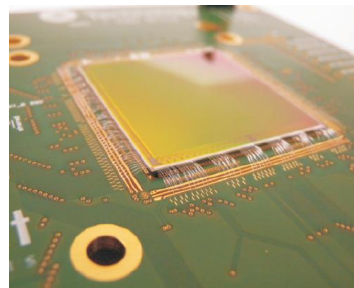


Third Workshop on High-speed Imaging Sensors

3 & 4 April 2014

Jesus College, Oxford



Programme

Thursday 3 April

- 10:00 Registration and coffee
- 11:00 **Renato Turchetta**, Rutherford Appleton Laboratory:
Millions of frames per second with CMOS image sensors.
- 11:40 **Mark Brouard and Claire Vallance**, Univ. of Oxford:
The Pixel Imaging Mass Spectrometry (PI_mMS) sensor and its applications.
- 12:20 Lunch
- 13:20 **Marc Vrakking**, Max Born Institute Berlin: *The TimePix sensor and imaging applications.*
- 14:00 **Gil Bub**, Univ. of Oxford: *New approaches for high-speed cardiac imaging.*
- 14:40 Coffee
- 15:10 **Todd Huffman**, Univ. of Oxford: *Sensor requirements for 'Imaging' at 1/10,000 of the proton's radius: High speed sensor applications within particle physics detectors.*
- 15:50 **Daniel E. Pooley**, Rutherford Appleton Laboratory:
Energy-resolved neutron imaging: an overview of technique and instrumentation.
- 16:30 **Rainer Cramer**, Univ. of Reading:
Investigating MALDI analyte and cancer biomarker distributions by MALDI MS imaging.
- 17:10 Poster session
- 19:00 Dinner

Friday 4 April

- 09:30 **Michael White**, Brookhaven National Laboratory:
Ion imaging of gas-phase products from surface photoreactions using the PI_mMS camera.
- 10:10 **Jens Riedel**, BAM Federal Institute for Materials Research and Testing, Berlin:
Velocity map imaging on the electronic ground state.
- 10:50 Coffee
- 11:20 **Philipp Kukura**, Univ. of Oxford:
Interferometric scattering microscopy: A high-speed camera for the nano-world.
- 12:00 **Klaus Suhling**, King's College London:
Fluorescence microscopy with microsecond-time-resolution photon counting imaging.
- 12:40 Lunch
- 13:40 **Paul Prentice**, Dundee Univ.: *Bubble trouble - cavitation for therapy?*
- 14:20 **Alessandro Esposito**, Univ. of Cambridge:
Multiplexing biochemical reactions within the cell: new approaches and sensors.
- 15:00 **Josephine Bunch**, National Physics Laboratory: *Towards high speed, high spatial resolution MALDI MSI: Challenges and Opportunities in Life Sciences.*
- 15:40 Closing remarks followed by coffee

Registration open! Please register at: <http://www.oxforduniversitystores.co.uk> > Conferences & Events > Chemistry > Chemistry Department Events > Third Workshop on High-speed Imaging Sensors.

Workshop fee (£45 per person per day) includes lunch and tea/coffee.

Additional options: dinner on the first day (£20), and accommodation at Jesus College (£80 incl. breakfast).

Please note: Registration closes 27 March, but if you need accommodation please book as soon as possible, as rooms might be limited, and **booking of accommodation closes 20 March!**

Please contact alexandra.lauer@chem.ox.ac.uk with any questions.

Organised by the PI_mMS consortium (<http://pimms.chem.ox.ac.uk>)

Mark Brouard, Oxford Chemistry
Claire Vallance, Oxford Chemistry

Renato Turchetta, Rutherford Appleton Lab
Richard Nickerson, Oxford Physics