

UK MBE Workshop 2015

23rd – 24th March 2015

Radcliffe House, University of Warwick, Gibbet Hill Road, Coventry, CV4 7AL, UK
www.warwick.ac.uk/UKMBE2015

Agenda

Monday, 23rd March

18:00 – 20:00 Reception and drinks, Radcliffe House

20:00 – 22:00 Dinner, Private dining room, Radcliffe House

Tuesday, 24th March

8:30 – 9:00 Reception and exhibition

9:00 – 9:20 Welcome and Introduction to Warwick

Maksym Myronov

9:20 – 9:40 MBE of group III-nitrides and graphene

Sergei Novikov, University of Nottingham

9:40 – 9:55 Large diameter Antimonide substrate development

Stuart Coomber, Wafer Technology Ltd

9:55 – 10:15 Mechanisms of Droplet epitaxy Studied by III-V Low Energy Electron Microscopy

David Jesson, Cardiff University

10:15 – 10:30 Efficient and safe MBE cooling

Gerd Büsing, Vacuum Barrier Systems Europe Ltd

10:30 – 10:55 Coffee/tea break and exhibition

10:55 – 11:15 Progress in Nanowire growth

Qiandong Zhuang, Lancaster University

11:15 – 11:35 Structural and magnetic properties of MBE-grown Cr-doped Bi₂Se₃ thin films

Liam Collins-McIntyre, University of Oxford

11:35 – 11:55 In-situ Se flux control in a valved cracker source by optical absorption measurement

Frank Huber, Dr. Eberl MBE-Komponenten GmbH

11:55 – 12:15 Developments in II-VI growth at Heriot-Watt

Richard Moug, Heriot-Watt University

12:15 – 12:30 From magnetic surface science to MBE

Adrian Ionescu, Thin Film Magnetism Group, Cambridge

12:30 – 12:50 Site-controlled growth of quantum dots on patterned substrates

Vasilij Baumann, Universität Würzburg, Germany

12:50 – 14:00 Lunch and exhibition

14:00 – 14:20 ZnO/ZnMgO interfaces

Maddison Coke, University College London

14:20 – 14:40 Fast atom diffraction - a new way to look at MBE growth

Paola, Atkinson, Institut des NanoSciences de Paris

14:40 – 15:00 In-situ thickness measurements revisited

*Jeff Harris, RTA Instruments
Ltd*

15:00 – 15:45 Recent MBE installations and experiences

A mini-MBE system

Thorsten Hesjedal, University of Oxford

Update on UCL Oxide MBE

Maddison Coke, University College London

Installation of Veeco GENxplor MBE system

Andrew Marshall, Lancaster University

MBE Expansion at UCL

Huiyun Liu, University College London

15:45 – 16:00 Date and venue of the next meeting and close of meeting

16:00 – 17:00 Coffee/tea break and tours of Warwick MBE facilities



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