



# EMAG2018

Applications of Electron Microscopy to Beam Sensitive Materials

**4–6 July 2018, University of Warwick, Warwick, UK**

Organised by the IOP Electron Microscopy and Analysis Group

<http://emag2018.iopconfs.org/>

The spectacular improvement in Electron Microscopy equipment and techniques are making a profound impact in materials research. Specific to this are the development of low voltage microscopy, cryo-electron microscopy, a new generation of direct electron detectors and advanced image/spectra analysis to provide new insights in to electron beam sensitive materials. Additionally, the development of in situ electron microscopy techniques is enhancing understanding of material dynamics. EMAG 2018 will bring these aspects together to showcase state-of-the-art analysis at a focussed conference on “Applications of Electron Microscopy to Beam Sensitive Materials”.

The Electron Microscopy and Analysis Group meeting brings together the UK electron microscopy, physical sciences community as well as leading international researchers. It has been a prominent event since the inaugural gathering in 1946, being one of the longest running electron microscopy conferences in the UK. One of the main attractions of EMAG is that it is a platform for students to present their work, alongside more established researchers.

EMAG 2018 will be held at the University of Warwick, on the 4th–6th July 2018. The conference will focus on Applications of Electron Microscopy to Beam Sensitive Materials. Several distinguished speakers will present the state-of-the-art in their field, alongside contributed oral presentations as well as poster sessions. Prizes will be awarded to the best student contributions. There will also be a table-top trade exhibition, involving some of the largest manufacturers of electron microscopes and other scientific instruments. There will be a hands-on workshop on the afternoon of 4 July to demonstrate in-situ techniques, vacuum transfer systems and multispectral analysis software.

Conference delegates will be able to enjoy a dinner in the historic Warwick Castle, while accommodation can be booked at the University of Warwick, which is within walking distance of the conference centre.

Further details can be found at the conference website <http://emag2018.iopconfs.org/>

## Key dates

<b>Abstract submission deadline:</b>	7 April 2018
<b>Early registration deadline:</b>	25 May 2018
<b>Registration deadline:</b>	27 June 2018

## Plenary speakers

- Professor Nigel Browning, University of Liverpool, UK
- Professor Ray Egerton, University of Alberta, Canada
- Professor Kazu Suenaga, National Institute of AIST, Japan

## Invited speakers

- Professor Elena Besley, University of Nottingham, UK
- Dr Stuart Boden, University of Southampton, UK
- Dr Lewys Jones, Trinity College Dublin, Ireland
- Professor Nico Sommerdijk, Technische Universiteit Eindhoven, Holland

## Enquiries

Jon Roe, Institute of Physics  
76 Portland Place, London, W1B 1NT UK  
Tel +44 (0)20 7470 4800  
Fax +44 (0)20 7470 4848  
E-mail [jon.roe@iop.org](mailto:jon.roe@iop.org)