



Minutes of the 2018 Annual General Meeting of the Engineering and Physical Sciences Section of the Royal Microscopical Society which took place on Thursday 27 September 2018 in the Wolfson Room at The Royal Society, Carlton House Terrace, London

Present: Professor Beverley Inkson (Chair), Dr Roland Kröger (Deputy Chair), Professor Michelle Peckham (President), Ms Natalia Alexander, Dr Trevor Almeida, Professor Susan Anderson, Dr Jacquie Bond, Professor Rik Brydson, Professor Grace Burke, Dr Lucy Collinson, Dr Ian Dobby, Dr Elizabeth Duke, Mr Paul Edwards, Mr Matthew Francis, Mr Owen Green, Dr Richard Grenfell, Dr Paul Gunning, Professor Chris Hawes Hon FRMS, Professor Beverley Inkson, Dr Lynne Joyce, Professor Mark Leake, Mr Steve Metcalfe, Mr Jean-Yves Mugnier, Dr Duncan Muir, Professor Pete Nellist, Dr Peter O'Toole, Dr Dogan Ozkaya, Professor Maddy Parsons, Dr Klaus Qvortrup, Mr Peter Sainsbury, Mr Jan Soetaert, Mr Duncan Stacey, Dr Natalie Stephen, Dr Debbie Stokes, Mr Leslie Stump, Dr Steve Thomas, Dr Kerry Thompson, Dr Rebecca Thompson, Mr Ian Titley, Mr Fredrik Wallberg, Dr Theresa Ward, Dr Claire Wells, Mr Dongsheng Wu, Ms Allison Winton (RMS Chief Executive), Ms Victoria Masters (Event Director), Mr Adam Clay (Finance Director), Mrs Kate Wooding (Event Director) and Ms Sarah King (Secretary to the PA).

1. Apologies for Absence

There were no apologies for absence.

2. Minutes of the 2017 AGM

The Minutes were approved and signed as a true and accurate record of the meeting.

3. Matters Arising

There were no matters arising.

4. Report from Section Chair

“The secret life of nanomaterials in liquids, how catalysts work their magic, how to interface organic with inorganic materials, and the nanoscale manipulation of light – these are just a few of the fascinating and challenging topics addressed by the EPS in workshops this year.

The EPS section represents the diverse and interdisciplinary engineering and physical science community, who use cross-cutting microscopy-based methods to solve engineering and physical science problems. Across a range of EPS workshops, scientific themes focus on improving our understanding of materials, machines and engineering systems including Energy and Energy Storage, Biomaterials, Structural/Geological materials, Advanced manufacture, Devices and Surface engineering.

Remarkable effort by the EPS committee, EPS-associated Organisers and the RMS has gone into organising a number of 2018 events and preparing events for 2019. We thank all the committee especially for committing to organizing such a varied and interesting programme.

Successful events since our last AGM in July 2017 have included: Microscopy and Microspectroscopy of Nanomaterials in Liquids, 18 September 2017, University of York, organised

by Dr Roland Kröger and Dr Anna Baldycheva; Electron Microscopy of Catalysts, 17 November 2017, Diamond Light Source, Harwell Science and Innovation Campus, organised by Dr Dogan Ozkaya, Johnson Matthey; Microscopy Characterisation of organic-inorganic Interfaces Meeting and In Situ Liquid Phase Electron Microscopy Meeting, 22-23 February 2018, Queen Mary University, London organised by Dr Nadja Tarakina and Dr Andy Bushby; EBSD 2018, 9 – 11 April 2018, Plymouth University organized by Dr Natasha Stephen; Photonic and Optoelectronic Materials: Recent Advances in Microscopy Characterization , 9-10 April 2018, University of Exeter, organised by Dr Anna Baldycheva. All of these events were well attended, and it was good to see many early career/students taking part including the EPSRC CDT in Photonics.

As Chair of the EPS Committee, a key theme of my tenure has been promoting #Microscopy without borders, reflecting both the scientific trend of using a wide range of different correlative and multi-scale microscopy methods to solve our increasingly complex engineering problems, whilst also highlighting the need for UK-based scientists to interact with scientists from across the globe to keep UK science relevant and competitive. Indeed this year it has been remarkable that almost all of our EPS activities have included an Organiser with international origins, and we applaud the fantastic contribution that international scientists bring to the UK-based Microscopy Community.

We thank all of the Industrial Companies (>10) who have sponsored EPS events in the last year, and are involved in upcoming events. Looking ahead to 2018/2019, we have a number of topical events being organised, primarily centred on five symposia that will take place at mmc2019 in Manchester 1-4 July 2019. All of the following workshops will be open for abstract submission in early 2019 : Multimode Ion Beam Microscopy: Hybrid-techniques and Spectroscopy (Trevor Almeida), FIB Microscopy and Sample Preparation (Xiang li Zhong), Microscopy of Materials for Health (Paul Gunning, Roland Kröger), Analytical Xray /MicroCT (Michael Doube), and Planetary and Geological (Galactic) Microscopy (Owen Green, Alex Ball). We hope you can join us for these workshops, and an EPS poster prize will be awarded at the event for the best Poster on these topics.

At mmc2019 we will also have the pleasure of presenting the RMS Medal for Innovation in Applied Microscopy for Engineering and Physical Sciences 2019, which this year is awarded to Dr Caterina Ducati, University of Cambridge for her outstanding work on electron microscopy of functional nanomaterials including photovoltaic and photocatalytic systems.

As the year draws to a close, I would like to thank all members of the EPS Committee for their effort and expertise, especially our retiring members Dr Michael Doube and Dr Steve Metcalfe, and the sterling support given by the RMS team led by Allison Winton behind the scenes at all our events. We also welcome new committee members Dr Duncan Muir, and Dr Trevor Almeida. We aim to ensure that all activities are accessible and inclusive across the whole Microscopy Community, and enthusiastic Scientists and Engineers with an interest in microscopy for physical sciences or engineering are encouraged to contact the Committee and assist in our activities.”

5. Election of Officers

There being no other nominations, the following Officers were duly elected:

Chair: Professor Beverley Inkson, University of Sheffield

Deputy Chair: Dr Roland Kröger, University of York

6. Election of Ordinary Members

There being no other nominations, the following Ordinary Members were duly elected:

- Dr Anna Baldycheva, Exeter
- Mr Owen Green, University of Oxford
- Dr Paul Gunning, Smith and Nephew
- Mr Jean-Yves Mugnier, Syngenta, Bracknell
- Dr Duncan Muir, Cardiff University
- Dr Dogan Ozkaya, Johnson Matthey
- Dr Xiang li Zhong, University of Manchester

In addition to the nominated Committee Members, Dr Trevor Almeida, Dr Mike Dixon, and Dr Alan Poole have been co-opted onto the Committee.

7. Any Other Business

There was no other business.