



The Royal Society of New South Wales

"for the encouragement of studies and investigations in Science Art Literature and Philosophy"

1281st ORDINARY GENERAL MEETING

WEDNESDAY 4 MARCH 2020 AT 6.30PM

Gallery Room at The State Library of New South Wales
(entrance from Shakespeare Place)

AGENDA

1. **WELCOME** – The President, Professor Ian Sloan AO FRSN

1.1 **Acknowledgement of country**

1.2 **Diversity and Inclusion statement**

1.3 **Minutes of the 1280th Ordinary General Meeting held on 12 February 2020**

2. **PRESENTATION OF FELLOWSHIP AND MEMBERSHIP CERTIFICATES**

Professor Sloan will present the Certificates.

3. **ANNOUNCEMENT OF NAMES OF CANDIDATES FOR FELLOWSHIP AND MEMBERSHIP**

If no valid objection is lodged within two weeks of this Ordinary General Meeting, that is, by 6.30pm on 18 March 2020, the election of new Members and Fellows will take effect from the date of the meeting.

3.1.1 **Fellows**

Professor Robert Frank Care AM FREng
Dr Edith Chow FRACI
Professor Ian Jeffrey Constable AO FRCSE
Professor Stephen Robert Garton FASSA
Professor Ewa Magdalena Goldys FTSE
Professor Gilles J Guillemin OM (France)
Dr Katrin Juliane Meissner
Dr David Bruce Musgrave
Professor John William Patrick FAAS

3.2 **Members and Associate Members**

Members

Dr Arthur Firkins
Ms Claire McFarland
Mr John Ritchie
Mr Tibor Molnar

Associate Members

Mr Thomas Green
Mr Avish Sharma
Mr Peter Lees

5 REPORT FROM COUNCIL AND COMMITTEES OF COUNCIL

The Council next meets on 18 March 2020. Professor Sloan wishes to draw members' attention to the following matters.

5.1 Annual General Meeting 1 April 2020

The Society's AGM will be held on Wednesday 1 April 2020 in the Gallery Room, State Library of NSW. Further details will be issued following the March Council meeting.

5.2 Nominations for Council

Nominations for membership of the Society's Council, including all Office-bearers, close on 12 March. Nomination forms are available from the Society's office. The Council is elected at the AGM.

6 THIS EVENING'S PRESENTATION

SOILS: THE LEAST UNDERSTOOD PART OF SCIENCE, YET VITAL FOR ALL OF US **Professor Robin J Batterham AO, Kernot Professor of Engineering,** **University of Melbourne**

Professor Batterham AO is a former Chief Scientist of Australia and President of the Academy of Technological Sciences and Engineering, and is presently the Kernot Professor of Engineering at the University of Melbourne. He is a Fellow of the Australian Academy of Science, the Academy of Technological Sciences and Engineering, and The Royal Academy of Engineering, amongst others, and holds Honorary Doctorates from the University of Melbourne, the University of Technology Sydney, and the University of Queensland. Previously, he has held senior roles in CSIRO (with responsibilities for collaborative research with mining companies) and with Rio Tinto, as Global Head of Innovation and Vice-President for Processing Developments. Most recently, he has had leadership roles at the interface of University, Industry and Government in areas that include mining, mineral processing, and algal and energy systems. Presently, he is the Chair of the Australia-India Strategic Research Fund, the Chair of the Australia-China Strategic Research Fund, the Chair of the Australian Chamber Choir, and a Member of the International Mineral Processing Council.

The decadal plan for agriculture from our Academy of Science suggests that soils are the least understood part of all science. In this talk we will explore how, if we approach the stewardship of our country differently (and many already are) we can improve our drought resilience, have fewer challenges with run off (save the reef), use fewer farm chemicals, produce zero emission products such as meat and, if we get it right, sequester around 40% of Australia's emissions. The science to do this is innovative and multifaceted. The talk will end with an invitation that, whether we live in cities or in the country, we all have a role to play.

7 VOTE OF THANKS AND CLOSE

The OGM will be *followed by dinner*¹ for those who have registered by Monday 16 March.

¹ Dinner (incl. drinks): \$95 for Non-Members, \$85 for Members and Associate Members. Reservations must be made at least 2 days before at <https://nsw-royalsoc.currinda.com/register/event/72>