

## Andrea E. Russell

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<https://www.southampton.ac.uk/people/5wylkr/professor-andrea-russell>

I am honoured to be nominated to serve the ISE as a candidate for President-Elect.

I am a Professor of Physical Electrochemistry at the University of Southampton, UK, a place with a very long heritage in Electrochemistry. I joined Southampton in 1997, moving from the universities of Newcastle upon Tyne, UK and Liverpool, UK. I completed my PhD in 1989 at the University of Utah, working with Stan Pons on infrared spectroelectrochemistry, and then went on to a postdoc at the US Naval Research laboratory, working with William (Bill) O'Grady where I was introduced to X-ray absorption spectroscopy. My research has continued to bring together spectroscopic methods (IR, Raman, and X-ray) and electrochemistry to study a wide range of electrochemical systems, from fundamental studies of the electrode/electrolyte interface, through to electrocatalysts for fuel cells and electrolyzers, and electrolytes and materials for batteries. Many of these studies include method development to enable *operando* characterisation of electrodes/electrocatalysts. I have co-authored more than 135 publications in peer-reviewed journals and have had 41 students complete their PhDs under my supervision. I am currently an Associate Editor of the journal *Physical Chemistry Chemical Physics*, with special responsibility for Electrochemistry. Previously, I have chaired/organised a Gordon Research Conference on Fuel Cells, a Faraday Discussion on Electrocatalysis, and symposia and workshops at the ISE's annual meetings. I have also served as the Chair of the Physical Electrochemistry Division (7) from 2015 - 2016 and, most recently, as a vice-president of the ISE from 2021-2023.



I have a great fondness for and dedication to the International Society of Electrochemistry and attended my first annual meeting in 1997. The quality of presentations and discussion and breadth of coverage of the subject at the ISE's meetings are second to none in the field of Electrochemistry. The truly international nature of the meetings, as well as the incorporated social times, provides opportunities to network and be inspired by colleagues from across the globe. It has often been the discussion around a poster presented by an enthusiastic and often younger colleague that I remember most from each meeting. It is for this reason that my vision for the future development of the ISE is to continue to attract the next generation of Electrochemists to our society, by ensuring that our annual meetings, communications, website, and organisation responds to their needs as well as supporting our more well-established members. I also wish to continue in the path established by the recent Presidents to further foster the growing diversity of the ISE. As President of the ISE I would do my best to ensure that the ISE continues to thrive.