

Sudipta Roy holds a Professorial Chair in the University of Strathclyde Glasgow in the UK. She has been an active and engaged member of the ISE for several decades, and has contributed towards electrochemical research and teaching activities since 1989. Sudipta Roy obtained her UG BEng from IIT, Delhi (India), and began her engineering career in the materials production area – especially aluminium and steel production, which attracted her to electrochemistry. This followed on with MS and PhD degrees from Tulane University (USA) where she researched on mass transfer applications for metal deposition for micro-device manufacture. Her move to Europe focused on alloy and pulse electrochemical deposition as well as dissolution – carried out during postdoctoral studies at Swiss Federal University, Lausanne (1991-1994). She moved to take up a Lectureship in Newcastle University, UK (1994) and progressed to a Readership (2000) and a Personal Chair in Electrochemical Nanomaterials (2005). She collaborated extensively with colleagues within and outside the University (especially Europe) to develop electrochemical processes and reactors, studying corrosion and materials stability, use of deep eutectics as plating medium, as well as spinning out companies for microscale fabrication which heavily reduced the use of expensive photolithographic processes. During this period, she also contributed to Europe-wide electrochemistry education through MINDE and COST programmes. She has been active in leading or co-leading electrochemical conferences in the UK such as Electrochem, and internationally, such as ECS symposia, as well as the European Symposium of Electrochemical Engineering. She moved to University of Strathclyde Glasgow in 2015 to take up Headship of Chemical and Process Engineering and started up and led the Electrochemical Engineering and Corrosion Group. Her research interests are Electrochemical micro and nano materials processing, sustainable processes and corrosion mitigation. She is also a member of the Electrochemical Society, Fellow of the IChemE, Chair of the Electrochemical Technology Group of the Society of Chemical Industries and the UK representative on the Working Party for Electrochemical Engineering on the European Federation of Chemical Engineers (EFCE).

What will Sudipta Bring to ISE?

Sudipta has been a passionate believer of the importance of electrochemistry and electrochemical engineering to solve many of the challenges facing humanity today. However, to foster global solutions, it is important that we need to develop and foster networks, which are effected through scholarly societies such as ISE. In addition, for academic research to translate into effective solutions, it is important that there is a dialogue with industry. She hopes to bring this vision to the fore if she were given the chance to serve.

