RACI Electrochemistry Division 2012 Breyer Medal

The RACI Electrochemistry Division is delighted to announce that the 2012 Breyer Medallist is Professor Joseph Wang. Professor Wang will be presented with the medal and give a lecture at the forthcoming RACI Electrochemistry Division Meeting in Perth on 15 April to be held back to back with the International Society of Electrochemistry Spring Meeting 15–18 April. This will be a great occasion, having an eminent electrochemist such as Professor Wang present in Australia at the time of the first international meeting in electrochemistry to be held in this country for many years. The reinvigorated Electrochemistry Division is delighted to be able to showcase our profession in this manner.

Professor Wang received his PhD from the Israel Institute of Technology in 1978. He subsequently held a series of prestigious appointments at New Mexico State University and Arizona State University before joining the Department of Nanoengineering at the University of California, San Diego, in 2008.

Professor Wang’s research has been driven by elegant use of fundamental research to solve complex real-life problems. He has published more than 800 papers and 10 books and holds many patents. He is now the most cited electrochemist in the world and was ranked fourth in the International Society of Electrochemistry’s list of most cited research in chemistry in 1996–2006 (h-index = 92). He has received many American Chemical Society awards and awards from other societies and is the founder and editor-in-chief of Electroanalysis.

His scientific interests are concentrated in the areas of nanomachines, bioelectronics, bio-nanotechnology and electroanalytical chemistry. For those who have had the pleasure of being present at Professor Wang’s exceptionally entertaining lectures, you will know that you are likely to see nanomachines moving about in brilliant visual presentations showing dynamic electrochemistry in action. He has pioneered new microchip devices and an underwater sensor system for the detection of military and homemade explosives and is very active in the area of nanomachines. In addition to being an outstanding scientist, Professor Wang has a wonderful personality. He has been an extraordinary help to many young scientists for many years and is well known to Australian electrochemists.

The RACI Electrochemistry Division congratulates Professor Wang on being awarded the Breyer Medal, the top award in electrochemistry in this country. He joins a list of eminent electrochemists honoured by this award. The electrochemistry community in Australia looks forward to his visit in April and hopes as many as of our members as possible will be able to join us in congratulating Professor Wang in Perth in April next year.

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