



Istituto di Chimica dei
Composti OrganoMetallici
(ICCOM)



Mercoledì 11 Gennaio 2017, ore 11:00

Lecture

presso

Area di Ricerca CNR di Firenze

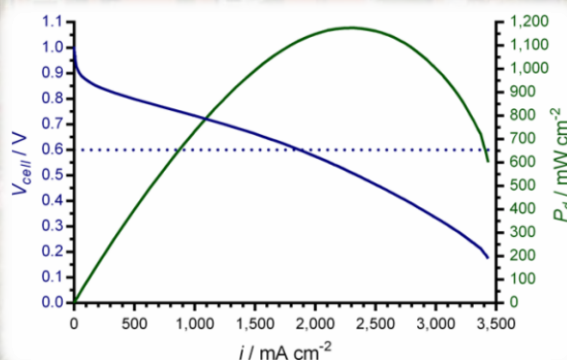
Aula 2, Edificio F

Prof. John Varcoe

Department of Chemistry, University of Surrey Guildford, GU2 7XH, United Kingdom

“Radiation-grafted anion-exchange polymer membranes and ionomers for alkali membrane fuel cells”

Abstract: This presentation will describe the latest research at the University of Surrey and the development of anion-exchange membranes (AEM) and ionomers (AEI) for use in alkali membrane fuel cells as well as other application such as alkaline water electrolyzers. These anion-exchange polymer electrolytes are produced using the post-irradiation grafted method (PIG). As reported previously, poly(ethylene-co-tetrafluoroethylene), ETFE, can be used as substrates for radiation-grafted AEMs and AEIs.



Prof John Varcoe is Professor of Materials Chemistry at the University of Surrey. He trained at the University of Exeter (UK), receiving a BSc in 1995 and a Ph.D. in 1999. He then held post-doctoral positions at the University of Surrey from 1999 – 2006, after which he was appointed Lecturer in August 2006, Reader in April 2011 and Full Professor in April 2013. His research interests include the development of radiation-grafted membranes, anion-exchange polymer electrolytes, and Raman microscopy.

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