Inaugural Public Lecture

NSW Chapter of the

IEEE Dielectrics and Electrical Insulation Society (DEIS)

Insulating Polymeric Dielectrics: Past, Present and Future.

Professor Len Dissado, Leicester University

Date & Time: Thursday, July 23 at 6 pm.
Location: Room G3, School of Electrical Engineering
University of NSW, Kensington.

A new Chapter of the Dielectrics and Electrical Insulation Society (DEIS) of the IEEE was formed in 2015 in NSW. **Professor Len Dissado of Leicester University** will give the inaugural lecture. Prof Dissado is a world leader in dielectric research, particularly in the area of breakdown processes in polymeric insulation. He is an IEEE Distinguished Lecturer with the DEIS Society.

His talk will cover a range of insulating material topics that have had significant developments since his entry into the dielectrics field in 1979, with an emphasis on explaining how the understanding of dielectric materials has developed over the years, with particular reference to areas such as water trees and their impact on the dielectric properties of XLPE insulation in high voltage electrical power cables.

Professor Dissado was educated at University College, London in Chemistry and then spent a number of years at ANU in Canberra, developing the theory of excitons and exciton-phonon interactions. He subsequently worked at Chelsea College, University of London where he developed theoretical models of the dynamics involved in the dielectric relaxation of insulation materials. After joining the Department of Engineering at Leicester University, his work has been primarily in the area of dielectric breakdown in polymers where he worked on water tree development and their involvement in the stochastic nature of polymeric insulation breakdown in high voltage applications.

He is the author, with Prof John Fothergill, also of Leicester University, of a definitive monograph on polymeric dielectric materials: ***Electrical Degradation and Breakdown in Polymers***: IET, 1993.

All interested are welcome to attend

For further information, contact Trevor Blackburn (t.blackburn@unsw.edu.au or 0410 349 521)