

Fernando CASTRO - CV

Dr Fernando A. Castro is a Principal Research Scientist at the National Physical Laboratory, in the UK, leading the research on metrology for emerging electronics (e.g. organic, printed, flexible) and photovoltaics. His current interests range from advanced nanoscale, durability and in-situ characterization methods, to mapping/imaging of materials and thin film device properties. Additionally to his expertise in metrology, Dr Castro has significant experience with solution based thin film and device manufacturing and he is the inventor of a transparent, flexible fabric based electrode and a portable environmental chamber currently under development in industry. Fernando has received his a MSc and PhD in Physics from the University of Sao Paulo (Brazil) working on spin dependent transport properties of organic light emitting diodes and development of nanostructured organic solar cells. He then worked as a post doc at the Swiss Federal Institute for NPL Materials Group ^[1]_{SEP} National Physical Laboratory.