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2019 Materials for Industry - Derek Birchall Award Winner

Professor Andrew Mills

Queen's University Belfast

Awarded for pioneering work on smart inks, pigments and extruded plastics technologies, with widespread applications across many industrial sectors.



About First Name

Andrew Mills gained a first-class degree in Chemistry from University of London in 1979, winning the Niel Arnott Scholarship for best degree in Chemistry in the University of London. His PhD on 'The Photodissociation of Water' was carried at the Royal Institution of Great Britain, with Lord Porter, PRS, Nobel Laureate, as Supervisor. In 1982, he took up a lectureship at Swansea University in the Department of Chemistry, gaining a personal Chair in 1994. In 1986, he was awarded the RSC award: Meldola Medal and Prize given to the Chemist, under 30, who shows the most promise as indicated from his or her published chemical work. In 1999, he took up the James Young Chair in Pure & Applied Chemistry at University of Strathclyde, and joined the staff of the School of Chemistry and Chemical Engineering at Queen's University Belfast as a Chair of Materials Chemistry, in March 2011. His research interests are many and varied and often associated with the needs of industry. Although a large part of this research has been in optical (colourimetric and fluorometric) sensors, other areas include: photocatalysis, electrochemical sensors, solar energy conversion, electro and redox catalysis, metal oxide corrosion and solvatochromism. He is the Founder and Director of the UK&Ireland semiconductor photochemistry network and CEO of the spin out company InkIntelligent. He has published over 306 papers and his 14 patents have often led to commercial products and spin out companies, most notable and recent of which is Insignia Technologies plc.

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