


<b>Dermot DIAMOND</b>		
Function	Director National Centre for Sensor Research	
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Direction	Autonomous sensors, sensor networks, water quality monitoring, nutrient monitoring and recovery	
<b>Areas of expertise</b>		
<p>My research interests are broad, ranging from molecular recognition, host-guest chemistry, ligand design and synthesis, electrochemical and optical chemical sensors and biosensors, microfluidics/lab-on-a-chip, sensor applications in environmental, clinical, food quality and process monitoring, development of fully autonomous sensing devices, wireless sensors and sensor networks. I am particularly interested in the using analytical devices and sensors as information providers for wireless networked systems i.e. building a continuum between the digital and molecular worlds.</p>		
<b>Professional Background</b>		
<ul style="list-style-type: none"> <li>• Vice President for Research, Dublin City University 2002-2004.</li> <li>• Director, National Centre for Sensor Research (NCSR), Dublin City University (<a href="http://www.ncsr.ie">www.ncsr.ie</a>) 2007-present.</li> <li>• Admitted Fellow of the Royal Society of Chemistry, 2002.</li> <li>• Admitted Member Royal Irish Academy, 2014.</li> <li>• Awarded inaugural silver medal for Sensor Research by the Royal Society of Chemistry, June 2002</li> <li>• Recipient of DCU President's Research Award, 2008.</li> <li>• Awarded D.Sc. (July 2002, Sensor Networks), PhD (July 1987, Chemical Sensors), MSc (1893, Instrumental Methods of Analysis) and BSc (1976) by Queen's University Belfast.</li> <li>• Awarded Personal Chair at DCU, 2004.</li> <li>• Editorial Board Member Analytical Chemistry (ACS) 2000-2003, The Analyst (RSC), Talanta (Elsevier).</li> <li>• Appointed visiting Professor, University of Wollongong, Australia, 2008-present.</li> <li>• Member European COST Action MP1205 (2012-2016) in Materials Physics and Nanosciences (MPNS) domain "Advances in Optofluidics: integration of optical control and photonics with microfluidics".</li> <li>• Appointed Member of the EU Advisory Board of the Water Joint Programming Initiative (JPI), March 2015.</li> <li>• Appointed leader of the Environmental Sensors Working Group of the European Sensor System Cluster (ESSC) initiative, November 2014.</li> <li>• Awarded Boyle-Higgins Medal by the Institute of Chemistry of Ireland for "outstanding and internationally recognised Irish research contribution to the advancement of chemistry", April 2015.</li> <li>• Research Gate: RG Score 42.59/45.00 ranked in the top 2.5% of all RG members.</li> </ul>		