

Biography

Prof Cian Ó Mathúna has more than 30 years experience in applied research and technology transfer to Irish and International industry. His research and publications have focused on the convergence of microelectronics and microsystems, whereby CMOS provides an intelligent platform for the miniaturisation and functional integration of non-standard functions such as, sensors, actuators, power and cooling. Cian is Head of MicroNano Systems Centre at Tyndall and former Head of Strategic Programmes, which is focused on developing a fundamental understanding of how to interface microelectronics with the built and the natural environment to improve the sustainability of our natural resources and the quality of our environment, through monitoring and control and the human body to enhance our health and well-being through diagnostics and therapeutics.

Cian has been a co-founding member of national industry-academic research clusters in the areas of surface mount technology (Smart Group Ireland), Wireless Sensor Networks (WiSEN) and Power Electronics (PEIG). In 2010 he was an Irish Government appointee on the National Innovation Task Force Implementation Group. He is a research professor in the Department of Electrical and Electronic Engineering, University College Cork. In 2008, he founded the International Workshop on Power Supply on Chip (PwRSoc) which is now the IEEE flagship conference in this space. In January 2013, he was named as IEEE Fellow in the field of Power Electronics. In October 2014, he became Deputy Director of the funded SFI CONNECT Centre for future networks and communications, with responsibility for the Responsive Things research strand.

Photo



Logo of the Institution

