

ENGINEERS IRELAND - CORK REGION WINTER LECTURE SERIES

Microsystems Technology – Delivering Opportunities for Ireland. Tyndall National Institute

About the event:

Microsystems are composed of miniaturized electronic components including sensors, microprocessors, wireless communications, actuators and power. They combine a range of functions to allow electronics, combined with software, to interface intelligently with the surrounding environment. Applications extend from building energy management and remote water quality monitoring to wearable physiological monitoring and the ultimate in miniaturisation, smart implants, which can be used for medical diagnostics and therapeutics in the body. The talk will present the technology, case studies of real applications and current and future opportunities for Ireland in this emerging space.

Event details:

Date: Tuesday 28th February 2012

Time: 6.30pm Tea & Coffee served,
Lecture at 7.00pm

Venue: Rochestown Park Hotel, Cork

For further details on this event, check out our [community calendar](#) in the members area of the website or visit the Cork Region [website](#)

Biography – Dr. Cian Ó Mathúna is Head of the Microsystems Centre at the Tyndall National Institute in Cork, Ireland. With a compliment of over 80 researchers, and an annual budget of €5M, the Centre incorporates two Research Groups - Microelectronics Applications Integration (MAI) and Life Science Interface (LSI). Dr. Ó Mathúna leads the MAI Group with research activities in Ambient Electronics Systems, Micropower Systems and Interconnection and Packaging. Dr. Ó Mathúna received B.E., M.Eng.Sc., and Ph.D. degrees from the National University of Ireland, Cork, in 1981, 1984, and 1994, respectively. From 1982 to 1993, he was co-manager of the Interconnection and Packaging Group, National Microelectronics Research Centre (NMRC), University College Cork, Ireland. In 1993, he joined the Irish Government-sponsored Programme in Advanced Technology, PEI Technologies (formerly Power Electronics Ireland), based at NMRC, as Technical/Commercial Director. In 1997, he rejoined NMRC as Group Director with responsibility for Microsystems. In 1999, he was appointed Assistant Director at NMRC with responsibility for microelectronics integration with research in Ambient Electronics, Biomedical Microsystems, and Energy Processing for ICT.