

ENGINEERING & IT FUTURES

CAREER OPPORTUNITIES AND THE CAO

HEAR INDUSTRY LEADERS PROVIDE
A GLIMPSE OF THE FUTURE OF
IT & ENGINEERING

ATHLONE INSTITUTE OF TECHNOLOGY

7PM THURSDAY 14 JANUARY 2016
DOUGLAS HYDE LECTURE THEATRE



WHY YOU SHOULD ATTEND...

The rapid pace of technological change, not to mention the plethora of programmes on the CAO, has meant that it can be challenging to fully comprehend engineering and IT career opportunities. Engineering and IT Futures – Career Opportunities and the CAO sets out to directly address the needs of Leaving Certificate students looking to make their college choices.

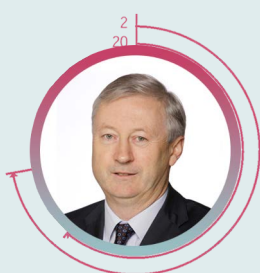
This major engineering and IT careers event will feature industry leaders presenting a picture of the future within the advanced manufacturing, computing, medical device and built environment sectors and the opportunities that exist.

These senior personnel from leading Irish and multinational organisations – CRH, Crospon, Ericsson, Intel and IDA Ireland – will provide first hand, expert opinion on their respective sectors, and crucially on how to access these careers. These companies employ graduates from every discipline; their perspective has implications well beyond engineering and IT.

In addition to these major employers, the event will also feature a CAO expert, with decades of experience to provide valuable advice to the dos and don'ts of the applications process.

SPEAKER

COMPANY & PROFILE



Dr Martin Curley

INTEL

Dr Martin Curley is a vice-president at Intel Corporation and director of Intel Labs Europe. He also serves as a senior principal engineer at Intel Labs Europe, which is charged with helping to advance both Intel research and Europe's ability to compete in the global society. He is also co-founder of the Innovation Value Institute, an industry-academic open innovation consortium that strives to promote structural change in the way companies and governments achieve value through information technology. Dr Curley graduated with an electronic engineering diploma and a master's in business studies from UCD and a PhD in information systems from Maynooth University.

Intel is the world's largest semiconductor manufacturer. Its processors are found in most personal computers. The company employs 106,700 and has a turnover in excess of \$55.9 Billion. It spends more than \$10 B on R&D worldwide.



Richard Bradley

CRH

Richard Bradley joined CRH as a graduate civil engineer in 1998, initially working with Roadstone as a site engineer on paving projects including the M1 Dublin-Belfast motorway. In 2004 he moved to CRH's US operation where he worked for three years in a variety of construction and project management roles. He returned to Ireland in 2007 to work on the construction of Irish Cement's €200 million Kiln 3 project in Platin, Co Meath. Since 2009 he has worked as technical marketing manager for Irish Cement where he is responsible for customer technical support and market development."

CRH is a Fortune 500 company committed to improving the built environment. It operates in 37 countries, is the largest building materials company in North America, a regional leader in Europe and has strategic positions in Asia. The company has grown spectacularly over four decades of operation and has a global view of trends and changing technologies in built environment, from roads to bridges and advanced buildings, and from foundations



Paul Madden

ERICSSON

Paul Madden is a graduate electronic engineer having graduated in 1995 from the University of Limerick. After a 20-year career with Ericsson, four of which were spent in Sweden and Italy, he now manages a large team of engineers which develops software for Ericsson's self-operating networks and its radio and core network management. His operations includes direct management of software development units in Ireland and India, and product coordination links to Poland, Italy Sweden and California. He has worked on the very early development of 3G, 4G and 5G networks.

Ericsson employs more than 110,000 people, carries in excess of 40% of global mobile traffic through their networks. With 37,000 granted patents, it boasts the industry's strongest intellectual property rights portfolio.

TALK TITLES



Engineers changing the world..again and again - Dr Martin Curley



Trends in building technologies and the demand for engineers and construction professionals in Ireland and beyond - Richard Bradley



Technologies for Communications: The Future ICT Designer - Paul Madden



Engaging in the Application and Admissions Process - Norrie O'Callaghan



New technologies for better quality of life - Dr John O'Dea



The industrial landscape: Opportunities and Trends - Dr Frank Ryan

SPEAKER

COMPANY & PROFILE



Dr John O'Dea

CROSPON

Dr John O'Dea has 24 years' experience in the medical device industry. In 1998 he co-founded Caradyne, an Irish respiratory medical device company, which was acquired by Respironics Inc. in 2004. He holds bachelor and master's degrees in mechanical engineering and a PhD in electronics engineering all from University College Dublin and an MSc in clinical research from NUI Galway. He is adjunct professor at the School of Engineering and Informatics at NUI Galway, where he is chairman of the external advisory board of BioInnovate Ireland and is also special advisor to the SFI CURAM Centre for Research in Medical Devices. Dr O'Dea is a past chairman of the board of the Irish Medical Devices Association and a past president of Engineers Ireland.

Crospon develops leading edge minimally invasive medical devices for imaging and aiding surgery in the oesophagus and stomach.



Norrie O'Callaghan

ATHLONE INSTITUTE OF TECHNOLOGY

Norrie O'Callaghan has been with AIT for the last 35 years, 20 of those years as admissions officer. A recognised expert on the CAO she is an oracle for enquiring students, their parents and staff members. She acts in a role of councillor and mentor to countless students trying to make sense of the CAO and more importantly helping them determine what they want. Norrie has chaired the Admission Officers' Association (AOA) on a number of occasions and is also a member of the CAO operations group, set up to plan and implement ongoing changes to the CAO.

Athlone Institute of Technology is a higher education institution located in the heart of Ireland. More than 5,400 students are undertaking undergraduate and postgraduate programmes in business, engineering and science.



Dr Frank Ryan

IDA IRELAND

Dr Frank Ryan is chairman of IDA Ireland and former CEO of Enterprise Ireland. Having worked for 25 years with IDA Ireland, serving in North America from 1979 to 1983, he was a member of the team that successfully attracted Intel to Ireland in 1989. During his tenure at Enterprise Ireland, exports from Irish companies hit record levels, increasing from €9.6 billion in 2003 to €16.2 billion in 2012. He holds an MSC in strategic management and was a recipient of the Innovation in Management Award 2013 from the Irish Management Institute. He was conferred with an honorary doctorate by UCD in recognition of his services to economic development. He was appointed chairman of the governing body of AIT in 2015.

IDA Ireland's main objective is to encourage investment into Ireland by foreign-owned companies. It works as a strategic partner and provides consultancy and support services free of charge to help organisations set-up and grow.



VENUE

Douglas Hyde Lecture Theatre

MAIN CAMPUS

Athlone Institute of Technology
Dublin Road, Athlone,
Co Westmeath N37 HD68

Advance booking is essential – book your place
today @ www.ait.ie/engineeringfutures.



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