31st International Manufacturing Conference in Cork Institute of Technology 4th & 5th September, 2014

IMC 31

DAY 1: THURSDAY 4TH SEPTEMBER 2014

Conference Opening and Keynote Session 1

Room T101 Tourism Building

8.20am Tea/Coffee and Registration

8.50am **Conference Opening**
Dr Brendan J. Murphy, President of Cork Institute of Technology

9.00am **Innovation the life blood of a successful business**
Sean O'Driscoll, Chairman and CEO, Glen Dimplex

9.30am **Competitiveness and manufacturing in western, developed economies**
Tommy Fanning, Head, Engineering, Industrial & Clean Technologies Division, IDA

9.50am **Supporting collaboration between the manufacturing Industry and the research community**
Deirdre Glenn, Director, Manufacturing, Engineering and Energy Commercialisation, Enterprise Ireland

10.10am **Manufacturing research and teaching in Irish higher education**
Kevin Kelly, Programme Director, MAI Engineering with Management Department of Mechanical and Manufacturing Engineering, Trinity College Dublin

10.20am Tea/Coffee Break

Innovation Session with Spinouts from Academia & Parallel Paper Sessions

Session 1A: Room T101: **Innovation Session with Spinouts from Academia**

10.45am **CIT's relationships with industry through collaboration, services and research**
Orla Flynn, Vice President for External Affairs, CIT

10.55am **Collaborating to innovate and innovating to collaborate: industry engagement and support at University College Cork**
Tim Roche, Director, Office of Technology Transfer, University College Cork,

11.10am **Engineering an undergraduate student innovation eco system including introduction of equaliser novel product**
Seán F. O'Leary Senior Lecturer, Department of Mechanical, Biomedical and Manufacturing Engineering, School of Mechanical, Electrical and Process Engineering, CIT

11.30am **High risk ventures de-risked through collaboration with Irish industry**
Myles Murray, Founder and CEO, PMD Solutions

11.50am **From concept to end-user - the commercialisation of medical device Technology**
John Vaughan, Chief Technical Officer, Aventa Med

12.10pm **Data capture and management software and its applications in the R&D and manufacturing space**
Declan Gordon, Director and Co-founder, Mohago

Parallel Paper Sessions

11.30am Session 1B: Room T105: **Design for Manufacture**

12.30pm Lunch

Innovation within Industry and Parallel Paper Sessions

Session 2A: Room T101: **Innovation within Industry**

1.30pm **Research for the sake of research: how do we close the commercialisation gap?**
Gary Clerkin, Director, Manufacturing Engineering & Technology at DePuy Orthopaedics

2.00pm **The Process of innovation management at EMC**
Brendan Butler, Director, Engineering and Innovation, EMC Ireland

2.20pm **International success from a 100% Irish manufacturing base**
Michael Guinee, CEO and Founder, EI Electronics

2.40pm **The InterTrade Ireland FUSION programme**
Joe Kelleher, Intertrade Ireland FUSION Consultant

3.00pm **Advances in milk production technologies**
John Upton, Teagasc

3.20pm **Embedded systems and the Internet of things in energy management, smart cities, and factories of the future**
Dr Dirk Pesch, Head, Nimbus Centre for Embedded Systems Research , CIT

Parallel Paper Sessions

2.15pm Session 2B: Room T105: **Manufacturing Innovation**

3.40pm Tea/Coffee Break

4.00pm Session 3A: Room T104: **Manufacturing Processes 1**
Session 3B: Room T105: **Education and Enterprise Development**

5.00pm Close of Day 1
6.30pm Civic Reception, City Hall, Cork
7.30pm Conference Dinner at Clarion Hotel, Lapps Quay, Cork

DAY 2: FRIDAY 5TH SEPTEMBER 2014

Welcome Address and Keynote Session 2

Room T101 Tourism Building

8.50am **Welcome and Introduction**

8.20am Tea/Coffee and Registration

9.00am Dr Barry O'Connor, Registrar & Vice President for Academic Affairs, CIT
Development of an R&D capability and culture within a multinational manufacturing company
Denis O'Sullivan, Director, New Product Development, Stryker Instruments

9.30am **Ultra precision machining of freeform and micro/nano structured surfaces**
Prof. Dr. Xichun Luo, Department of Design, Manufacture and Engineering Management, University of Strathclyde, Glasgow

10.00am **Commercialisation of research-led innovation in information and communication technologies (ICT)**
Prof. Cian O'Mathuna, Head,Microsystems Centre, Tyndall National Institute, and Research Professor, Dept. Electrical and Electronic Engineering, UCC

10.30am Tea/Coffee Break

General Papers ~ Parallel Sessions

11.00am Session 4A: Room T104: **Manufacturing Processes 2**
Session 4B: Room T105: **Computer Control & Automation**

12.15pm Lunch

General Papers ~ Parallel Sessions

1.00pm Session 5A: Room T105: **Medical Devices & Innovation**
Session 5B: Room T106: **Energy and Resource Management**

2.30pm Closing Address, Acknowledgments and Awards

3.00pm Conference closes

www.cit.ie/imc31