

engineering@DIT

**ENGINEERING
DESIGN
& NANO
TECHNOLOGY:
TECHNICAL
INNOVATIONS
& BUSINESS
OPPORTUNITIES**

THIS SYMPOSIUM WILL HELP CORPORATIONS TO KEEP ABREAST AND UNDERSTAND EMERGING AND FUTURE TECHNOLOGIES SO THAT THEY CAN STRATEGICALLY POSITION THEMSELVES TO MAINTAIN AND/OR CREATE COMPETITIVE ADVANTAGE.

September 12th 2003
DIT Bolton Street, Dublin 1



ENGINEERING DESIGN AND NANOTECHNOLOGY TECHNICAL INNOVATIONS AND BUSINESS OPPORTUNITIES

12th September 2003. DIT Bolton Street, Dublin 1.

ENGINEERING DESIGN AND NANOTECHNOLOGY

This seminar will take place in DIT Bolton Street on September 12th 2003.

The main topics covered include Advanced Engineering Design, Value Added, R&D, and Nanotechnology. The Seminar is ideally suited to engineers, managers and industrialists interested in the fields of design and NanoTechnology and it is based on the belief that competitiveness depends largely upon advances in the fields of design and manufacturing.

The main purpose is to bring together expert from the scientific and industrial communities to present state of the art developments covering a range of topics dealing with innovative design and NanoTechnology.

The Seminar will be relevant to a broad range of SME's, and advanced organisations involved in exploiting new product design and applications of NanoTechnology.

The seminar will be presented as a series of talks by top class experts from Ireland and around the World.

The speakers have extensive industrial and academic experience and will explain how both Product Design and NanoTechnology impact on modern products and new technologies.

There will be an opportunity for questions to the speakers at the end of each presentation.

Fees

The fee for the 1 day seminar is €175 which includes lunch and refreshments.

OBJECTIVES

- ✦ To provide an insight into developments in Nanotechnology and its applications to new Product designs.
- ✦ To address the needs of emerging and existing SME's in the Irish Economy in Product Design and NanoTechnology.

HOST

The DIT Faculty of Engineering has great pleasure in inviting you to this seminar. The Dublin Institute of Technology (DIT) is the largest engineering educator in Ireland.

Further details about the Faculty can be found on the institute's website at: <http://www.dit.ie/eng>

LOCATION

The Seminar will be hosted in the conference facilities of the Dublin Institute of Technology, Bolton Street Campus. The campus is located within Dublin city center, close to the River Liffey and with easy access to public transport such as bus and rail.

ACCOMMODATION

Accommodation in Dublin during September is in strong demand and booking early is highly recommended.

ORGANISER

Dr. David Kennedy, DIT Bolton Street, Dublin 1.



PRELIMINARY PROGRAMME

9.00 am	Registration and welcome	TEA, COFFEE, ANNOUNCEMENTS
9.20 – 10.00 am	Dr. Chris Coughlan, Hewlett-Packard, Ireland	THE DIGITAL WAVE AND BEYOND: EMERGING TECHNOLOGY AND BUSINESS TRENDS.
10.10 - 10.50 am	Professor Shaker Meguid, University of Toronto, Canada.	NOVEL USE OF NANO-FILLERS TO REINFORCE BIMATERIAL INTERFACES
10.50 – 11.10	Tea and Coffee	
11.10 - 11.50am	Dr. Gordon Chambers, DIT Kevin Street	FULLERENE SCIENCE AND NANOTECHNOLOGY
11.50 - 12.30pm	Dr. Massimo Rogante, Italy	INDUSTRIAL APPLICATIONS OF NEUTRON TECHNIQUES
12.30 – 2.00pm	Lunch	
2.00 – 2.50pm	Professor Shaker Meguid, University of Toronto, Canada	ON THE USE OF METALLIC FOAMS TO ENHANCE THE CRASHWORTHINESS OF VEHICLES
2.50 – 3.30pm	Dr. Norman McMillan, IT Carlow	NANOTECHNOLOGY: FUNDING AND FUTURE DIRECTIONS
3.30 3.45pm	Tea and Coffee	
3.45 – 4.30pm	Dr. Thomas Alshuth, DIK, Germany	LIFE ENHANCEMENT FOR POLYMERIC COMPONENTS
4.30 – 5.00 pm	Joe, O'Brien. Aspen Science	EMERGENT PROPERTIES OF NANO MATERIALS
5.00 pm	Close of seminar (wine reception)	QUESTIONS AND ANSWERS SESSION



Send your completed Registration Form with the appropriate payment to:

Dr. David Kennedy, Faculty of Engineering, DIT Bolton Street, Dublin 1. Ireland.
 (cheques should be made payable to **Engineering Design**)

SEMINAR REGISTRATION

NAME: _____

Address: _____

Contact Telephone: _____

Email: _____

Please circle where appropriate

☛ I enclose a cheque for €175.00 Yes No

☛ Purchase order Number _____ Yes No

☛ Please forward invoice for seminar fee to: Yes No

Please debit my credit card: _____ Yes No

Name of cardholder: _____

Credit Card Billing Address: _____

Credit Card Number:

Expiry date: /

Cardholders Telephone Number: _____

Total Amount: €175.00

I request a receipt: Yes No

Signed: _____

Date: _____

Payment of fees should be included with the registration form.

Please note:
 Payment can be made on the day with registration.
 Cancellations received after 5th September 2003 will be charged 50% of the registration fee. There will be no charge if another participant is named to fill the vacancy.

CONTACT DETAILS and further information:
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