

# The Institute of Physics in Ireland Lecture Programme 2009-2010

## 2009

### Can we observe a trapped atom interfering with itself?

#### Prof. Dieter Meschede

University of Bonn, Germany

NUIG	Mon	28th Sep	4.00pm
UCC	Tues	29th Sep	4.00pm
DCU	Thurs	1st Oct	4.00pm

Committee contact: Síle Nic Chormaic

E-mail s.nicchormaic@ucc.ie Tel +353 21 490 4864

### Ultracold Bosons and Fermions

#### Prof. Tilman Esslinger

ETH Zurich, Switzerland

UCC	Mon	30th Nov	4.00pm
UCD	Tues	1st Dec	4.00pm
QUB	Wed	2nd Dec	4.00pm

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## 2010

### Shaping the defective nanoworld

#### Dr Chris Ewels

Institute of Materials, CNRS, Nantes, France

UCC	Mon	8th Feb	4.00pm
UUJ	Wed	10th Feb	4.00pm
TCD	Fri	12th Feb	12.00pm

Contact: Brian Espey

E-mail brian.espey@tcd.ie Tel +353 1 896 2680

### Valentia Observatory - From the heights of weather balloons to the depths of earthquakes

#### Keith Lambkin

NUIG	Mon	8th Feb	4.00pm
QUB	Wed	10th Feb	4.00pm
NUIM	Fri	12th Feb	3.30pm

Committee contact: Créidhe O'Sullivan

E-mail creidhe.osullivan@nuim.ie Tel +353 1 708 3953

### Memorization or understanding: are we teaching the right thing?

#### Prof. Eric Mazur

Harvard University, USA

TCD	Thurs	11th Mar	7.30pm
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Committee contact: Brian Espey

E-mail brian.espey@tcd.ie Tel +353 1 896 2680

### Black Silicon

#### Prof. Eric Mazur

Harvard University, USA

TCD	Fri	12th Mar	12.00pm
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Contact: Brian Espey

E-mail brian.espey@tcd.ie Tel +353 1 896 2680

### Antimatter: from imagination to application – and back

#### Prof. Mike Charlton

Swansea University, UK

UCC	Mon	8th Mar	4.00pm
NUIG	Wed	10th Mar	4.00pm
DCU	Thurs	11th Mar	4.00pm

Committee contact: Síle Nic Chormaic

E-mail s.nicchormaic@ucc.ie Tel +353 21 490 4864

### The SEMATECH high resolution initiative for novel and emerging nanotechnology

#### Dr Patrick Lysaght

SEMATECH, Texas, USA

DCU	Tues	23rd March	4.00pm
Tyndall National Institute, UCC	Thurs	25th March	4.00pm
UL	Fri	26th March	2.00pm

Committee Contact: Eilish McLoughlin

E-mail eilish.mcloughlin@dcu.ie Tel +353 1 700 5862

### Control of large-scale ocean structure by small-scale physics

#### Dr Raymond W. Schmitt

Woods Hole Oceanographic Institution, USA

NUIG	Mon	26th Apr	4.00pm
RCSI	Wed	28th Apr	3.00pm
NUIM	Fri	30th April	3:30pm

Committee contact: Nicholas Devaney

E-mail nicholas.devaney@nuigalway.ie Tel +353 91 495188

### Tyndall lecture 2010

#### Physics in Action

#### Dr Cathal Flynn

School of Physics

Dublin Institute of Technology

QUB	Tues	19th Jan	2.00pm
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Contact: Prof Robert Bowman

Tel +44 (0)28 9097 3572 or e-mail r.m.bowman@qub.ac.uk

IT Carlow	Wed	20th Jan	2.00pm
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Contact: Dr Lorraine Vallely

Tel +353 (0)59 9175549 or e-mail lorraine.vallely@itcarlow.ie

Waterford IT	Thur	21st Jan	2.00pm
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Contact: Dr Gabriel Gallagher

Tel +353 (0)51 302645 or e-mail ggallagher@wit.ie

NUI Galway	Tues	26th Jan	2.00pm
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Contact: Dr Nicholas Devaney

Tel +353 (0)91 495188 or e-mail nicholas.devaney@nuigalway.ie

UL	Wed	27th Jan	12.00pm
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Contact: Dr George McClelland

Tel +353 (0)61202469 or e-mail george.mcclelland@ul.ie

UCC	Thur	28th Jan	12.00pm & 2.00pm
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Contact: Prof Paul Callanan

Tel +353 (0)21 4902468 or e-mail paulc@miranda.ucc.ie

RDS	Mon	1st Feb	12.00pm & 2.00pm
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Contact: Dr Claire Mulhall

e-mail claire.mulhall@rds.ie

### Spring Weekend Meeting 2010

Will be held in the Hodson Bay Hotel, Athlone with a Particle Physics theme: 26-28 March 2010. Details will be published in January.

Every effort is made to ensure the accuracy of this programme. However, please contact a local organiser or nearest committee member for confirmation of times and details of venues.

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**IOP** Institute of Physics in Ireland