

Interested in getting to  
meet and chat to  
likeminded teachers?

Interested in participating in a  
variety of workshops, keynote  
and plenary sessions that will  
enhance your teaching?

Interested in listening to  
ideas that have been  
tried and tested in the  
classroom?



**SCIENCE TEACHING IN IRELAND – NEW FRONTIERS**

**ISTA ANNUAL CONFERENCE 8<sup>TH</sup> – 10<sup>TH</sup> APRIL 2016**

**LIMERICK INSTITUTE OF TECHNOLOGY**

**REGISTER NOW AT [WWW.ISTACONFERENCE.COM](http://WWW.ISTACONFERENCE.COM)**

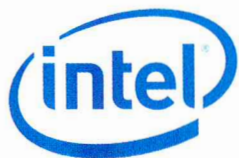






Irish  
Science  
Teachers'  
Association

Eolaíocht  
na hÉireann



# ISTA 54<sup>th</sup> ANNUAL CONFERENCE 8<sup>th</sup> – 10<sup>th</sup> APRIL 2016

## LIMERICK INSTITUTE OF TECHNOLOGY & THE STRAND HOTEL

### Science Education in Ireland – New Frontiers!

#### Friday 8<sup>th</sup> April 2016

Venue: – The Strand Hotel, Limerick

- 17.00 – 19.00 **Registration**
- 18.30 – 19.30 **President's reception:** Tea / coffee and biscuits.
- 19.30 – 20.00 **Welcome and official opening**
- 20.00 – 21.00 To catch a comet, Part 1  
**Mark McCaughrean**, Senior Science Advisor in the Directorate of Science & Robotic Exploration at the European Space Agency
- 21.00 – 23.00 Buffet Supper and Music

#### Saturday 9<sup>th</sup> April 2016

Venue: – Limerick Institute of Technology

- 8.45 – 9.30 **Registration**
- 9.30 – 10.20 To catch a comet, Part 2  
**Mark McCaughrean**
- 10.30 – 11.00 **Plenary Sessions 1**  
Molecular and cell biology and potential treatments for diseases  
**Patrick Kiely**  
Crystal engineering  
**Mike Zarorotko**  
Science on Stage  
**David Keenahan, Eilish McLoughlin and Paul Nugent IoP**  
The brain science of learning and its applications in the classroom  
**William O'Connor**
- 11.00 – 11.20 *Tea/Coffee*
- 11.20 – 12.00 Educating the innovators of the 21st century  
**Eric Mazur**, Harvard University
- 12.10 – 13.00 **Workshop Sessions 1**  
Molecular biology experiments for classrooms workshop  
**Robert Schwarmborn**, UCD  
Chemistry and the Environment  
**David Sutton**, LIT  
Introduction to online RSC resources  
**RSC**  
Inquiry in the Physics Lab.  
**Leah Wallace**, LIT  
Bringing the world's biggest robotic telescope into your classroom  
**Liverpool Space Observatory**  
Evidence in school learning  
**Stuart Naylor**  
SEAI Energy workshop  
**Castel**  
Teaching enquiry through Mysteries Incorporated  
**TEMI**  
Gross germs and bizarre bacteria  
**SSPC**  
Laboratory safety  
**Health and Safety Authority**

- 13.00 – 13.50 *Lunch*
- 13.50 – 14.30 Pecha Kucha session on Transition Year Science  
(Something you will be able to do in your class on Monday!)
- 14.40 – 15.10 **Plenary Sessions 2**  
BioMolecules from the sea  
**Danny Walsh**  
Nanotechnology  
**David Katz**  
Wrapping light around a hair  
**Eric Mazur**  
Nature of Science  
**Sibel Erduran**
- 15.20 – 16.10 **Workshop Sessions 2**  
Molecular biology experiments for classrooms workshop  
**Robert Schwarmborn**, UCD  
Chemistry and the Environment  
**David Sutton**, LIT  
Introduction to online RSC resources  
**RSC**  
Inquiry in the Physics Lab.  
**Leah Wallace**, LIT  
Bringing the world's biggest robotic telescope into your classroom  
**Liverpool Space Observatory**  
Assessing inquiry skills in science  
**Castel**  
Teaching enquiry through Mysteries Incorporated  
**TEMI**  
Gross germs and bizarre bacteria  
**SSPC**  
Laboratory safety  
**Health and Safety Authority**
- 16.10 – 17.10 Inspiring the scientists and engineers of the future  
**Amber Gell**, NASA
- 17.10 – 17.40 **ABM**

#### Sunday 10<sup>th</sup> April 2016

Venue: – The Strand Hotel, Limerick

- 10.00 – 10.30 Update on senior science syllabi  
**Anna Walsh**, NCCA
- 10.30 – 11.30 Chemistry magic show  
**David Katz**
- 11.30 – 11.45 *Tea/Coffee*
- 11.45 – 12.45 The animal magic road show  
**Animal Magic**



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