

SciFest 2012



**LIMERICK INSTITUTE
OF TECHNOLOGY
INSTITIÚID TEICNEOLAÍOCHTA
LUIMNIGH**

Programme: May 2nd 2012

- 8.45** **Arrival Registration and Set-up in Aula Maxima in Main Building**
- 9.30** **Welcome: Mr Paschal Meehan, Acting Head of School of SEIT, LIT**
Opening

- 10.00** **Judging begins: students to stay with their projects to await judges visits.**
Teachers to Aula Maxima balcony for tea/coffee and then lab tour at 10.30 with
Dr. Elaine Raggett
- 11.00** **Visiting groups in Aula Maxima: please let us know if you are bringing extra**
students to visit, and also parents and guardians are welcome

- 12.00** **Lunch for Competitors and Teachers in Aula Maxima**
- 12.30** **Millennium Theatre: Science Magic Show with LIT Science Research Students**
followed by short talk on Music Technology by Tomas Mulcahy, and introduction
to sound technology
- 13.30** **Break**

- 13.45** **Reassemble in Aula Maxima**

- 14.15** **Prize giving ceremony**
- 14.45** **Closing Address: Mr Paschal Meehan, acting Head of School of SEIT**

Welcome

May 2012

Dear Students and Teachers,

You are very welcome to the Scifest in Limerick Institute of Technology. We are looking forward to seeing your displays of your science and technology investigations and we hope that you have enjoyed your project work and seen the real value as well as fun of studies in science and technology.

We also hope that students who are not competing this year will visit the exhibition and will be inspired to carry out their own investigations and possibly to enter next year's competition.

The School of Science, Engineering and Information Technology in LIT is always pleased to encourage and host events like this. We hope that during the day you will get a chance to have a look around our facilities and also to talk to our staff and students about the range of courses available here.

We would like to thank the sponsors, listed on the next page, who have made the event possible. Such an event would not be possible without the help of a large number of people, so we would like to acknowledge everyone who has given time to this one, especially the judges as we are sure they will not have an easy task today. Not least, thanks to Sheila Porter whose vision resulted in this wonderful initiative, and also to Stephanie O'Neill of SFI who has been a great supporter of SciFest.

Most of all, we would like to thank you and your teachers for participating today, and to encourage you all to keep up the good work. We also hope to meet some of you as students here in LIT in the future.

Marie Walsh

Scifest co-coordinator

A huge thank you is due to all of the academic, administrative and other support staff, students and researchers who have helped to make this event possible, including our colleagues from the National Centre for Excellence in Maths & Science Teaching and Learning in UL, Limerick Civic Trust and ESB – and not forgetting our retired colleagues who are also taking part in the judging.



LIT
2012

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scifest



SciFest Sponsors








SciFest gratefully acknowledges the support and generosity of its partners. In recognition of their generous contributions please take a moment to visit their respective websites to learn more about these important sponsors and their products and services.

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SciFest 2012 – Grand Award

SciFest@Intel ISEF Award

The Intel Best Project Award winners from each SciFest 2012 venue will be invited to exhibit at Intel in the autumn (SciFest@Intel). One project will be selected to represent Ireland at the International Science and Engineering Fair 2012 in the USA. The teacher/mentor of this award will travel with the student/s.

All expenses will be paid.

LIT sponsors have made it possible for us to provide lunch and prizes for competitors



Department of Applied Science in LIT

The Department of Applied Science offers a wide range of programmes from Chemical and Instrumentation Analysis, to Pharmaceutical and Forensic Analysis and Bioanalysis & Biotechnology. We also have an active internship student placement programme running in Kennedy Space Centre, NASA, Florida, USA. Our graduates can be found working in a range of roles in the private sector, including: food, pharmaceutical, health care, private analyst laboratories, and biotechnology; and the Public Sector in state laboratories, forensic labs, local authorities, environmental and health agencies.

Our Department is renowned for its excellence, from teaching staff to state-of-the-art equipment and laboratories. Our programmes have been, and continue to be, among the best offered in Ireland, and we are continuously updating programmes to meet the demands of modern science-based industries. We pride ourselves on giving students the best hands-on experience possible. That means, they spend a large amount of time in the labs, putting theory learned into practice.

If you're looking for more information on what the Department of Applied Science can offer you, give us a call!

Applied Science Courses in LIT

LC260 Bachelor of Science in Applied Biology / 3 years (Level 7)

→ B. Sc. (Honours) in Bioanalysis
& Biotechnology / +1 year (Level 8)

→ **Postgraduate
Studies**

LC261 Higher Certificate in Science in Applied Chemistry / 2 years (Level 6)

LC262 Higher Certificate in Science in Environmental & Analytical Science / 2 years (Level 6)

LC264 Bachelor of Science in Environmental & Chemical Analysis
/ 3 years (Level 7)

→ B. Sc. (Honours) in Chemical
Instrumentation &
/ +1 year (Level 8)

→ Analysis **Postgraduate
Studies**

LC267 Bachelor of Science in Pharmaceutical & Forensic Analysis
/ 3 years (Level 7)

LC265 B. Sc. (Honours) in Pharmaceutical & Forensic Analysis / 4 years (Level 8)
with work placement in Year 3

→ **Postgraduate
Studies**

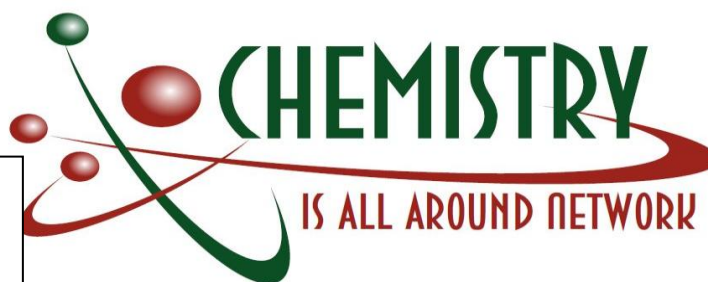
LC266 B. Sc. (Honours) in Drug & Medicinal Product Analysis
/ 4 years (Level 8) with work placement in Year 3

→ **Postgraduate
Studies**

Check out this new project at the portal and website below:

Project Portal: <http://www.chemistryisnetwork.eu>

Project web site: <http://www.chemistryisnetwork.eu/info/>



CONTEXT

The Chemistry is All Around Network, funded in the framework of the Lifelong Learning Programme – Comenius sub programme – Networks Action, aims at stimulating the interest of students towards the study of Chemistry.

Among the scientific fields, chemistry is identified as an exemplary case study as it is recognised as one of the most difficult subjects.

LIT partner schools:

Ard Scoil Ris Limerick
St Caiman's CS Shannon
Hazelwood College Dromcolliher
Tallaght Community School
St Joseph's Spanish Point
Gaelcholaiste Luimnigh
Ard Scoil Mhuire Corbally
Castleconnell National School

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Thirteen partners from eleven different European countries are involved in the project:

University of Genova (IT) 
Inforef (BE) 
Technical University of Gabrovo (BG) 
Institute Of Chemical Technology Prague (CZ) 
Technological Educational Institute (T.E.I.) of Ionian Islands (EL) 
Limerick Institute of Technology (IE) 
CECE - Spanish Confederation of Education and Training Centres (ES) 
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WSINF - Health Promotion Chair WSINF's Pedagogy-Rehabilitation Faculty (PL) 
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Education and Culture DG

Lifelong Learning Programme

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