

Teaching and Teacher Education in STEM Education Seminar

on Friday May 26th 2017,

in the University of Limerick

The 1st *Teaching and Teacher Education in STEM Education Seminar* will take place on 26th May 2017 in the University of Limerick and is hosted by EPI-STEM, the National STEM Education Research Centre.

The seminar is the first ‘**Teaching and Teacher Education in STEM Education Seminar**’ to discuss and stimulate the development of future education contributions in STEM teaching and learning. The seminar seeks to mobilise the STEM Education community in Ireland to inform thinking on future advancements in STEM Teaching and Teacher Education and contribute to the Education Action Plan 2017 and beyond.

The event in the University of Limerick will provide opportunities for clustering, consortia building and knowledge sharing for teaching developments, university-based research and initiatives in the field of Teaching and Teacher Education in STEM Education. The main theme of the event, around which sessions are programmed, is derived from core priorities for STEM Education in the Government’s Action Plan in Education 2017 and opportunities for EU H2020 funding.

Objectives

The event will offer insights into major EU funded research projects undertaken by Irish STEM education researchers from a multidisciplinary perspective through examples of approaches to STEM education, key achievements, outputs and best practice. The event brings together key stakeholders, academics and decision-makers (DES, NCCA, Industries and regulatory bodies and researchers) to debate future contributions to STEM Education teaching in line with the Action plan for Education 2017 and research project initiatives at EU level. The seminar will make visible the substantial contribution of third level Institutes in Ireland engaging in EU level STEM Education research.

Participants

The *Teaching and Teacher Education in STEM Education Seminar* provides a platform for networking and collaboratively exchanging views with a forward-look towards STEM education teaching and learning practices. Specifically, the event will be of interest to third level STEM Education leaders, DES, NCCA, and Industrial and regulatory body stakeholders.

For further information, contact Michelle.Starr@ul.ie

Teaching and Teacher Education in STEM Education Seminar

Friday May 26th, 2017

University of Limerick, Venue @ GEMS, UL

- 9.15 Registration (*Tea/Coffee on arrival*) in Foyer of the Medical School Building (GEMS), UL
- 9.30-9.40 Seminar Official Opening, Dr. Mary Shire, Vice-President Research University of Limerick
Introduction to the Day - Professor Paul Conway, University of Limerick
- 9.40-10.50 **Session 1:** Chaired session – Dr. John O'Reilly, University of Limerick
- Dr. Sarah Hayes, SSPC, UL. 'SALiS – Student Active Learning in Science'
 - Dr. Cliona Murphy, Dr. Greg Smith, CASTel, Institute of Education, DCU. 'Fibonacci'
 - Dr. Eilish McLoughlin, CASTeL, DCU. 'ESTABLISH'
 - Dr. Veronica McCauley and Dr. Patricia McHugh, NUIG. 'Sea Change'
 - Dr. Margaret Farren, and Dr. Yvonne Crotty, DCU. 'PATHWAY to Inquiry' & 'Inspiring Science Education project (ISE)'
 - Chaired Q & A session (20 mins.)
- 10.50-11.05 Tea/coffee break
- 11.05-12.15 **Session 2:** Chaired session-Dr. Eilish McLoughlin, CASTeL, DCU
- Dr. John O'Reilly, UL & Dr. Louise Lehane, St. Angela's College NUIG. 'CHAINREACTION'
 - Dr. Greg Smith, Dr. Cliona Murphy, CASTeL, Institute of Education, DCU. 'SUSTAIN'
 - Ms. Marie Walsh, LIT. 'Chemistry is all around us' & 'E-Learning from Nature'
 - Dr. Majella Dempsey, MU. 'FaSMED'
 - Dr James Lovatt and Dr. Paul van Kampen, DCU. 'SAILS'
 - Chaired Q & A session (20 mins.)
- 12.15-13.15 **Session 3:**Chaired session –Dr. Majella Dempsey, Maynooth University
- Dr. Peter Childs, UL. 'TEMI'
 - Dr. Eilish McLoughlin, CASTel, DCU. 'INSTEM'
 - Dr. Geraldine Mooney-Simmie, UL. 'CROSSNET/DLISS/GIMMS'
 - Ms. Anna Couturier, University of Edinburgh & NUIG. 'EuroStemCell'
 - Chaired Q & A session (20 mins.)
- 13.15-14.00 Lunch in the Pavillion
- 14.00-16.00 **1. Roundtable themed chaired discussions on responses to morning presentations**
- Teaching and Teacher Education, Chair - Professor Paul Conway, UL
 - Curriculum, Chair – Ms. Rachel Linney, NCCA
 - EU H2020, Chair - Dr. Eilish McLoughlin, DCU
 - Industry, Chair – Mr. Bill Kearney, IBM
- 2. Rapporteur, Dr. Eilish McLoughlin and Professor Paul Conway**
- Summary of the key points raised during the debate