

SMEC 2010 Conference Programme:

The following outlines the general schedule for both days during SMEC 2010, however it is subject to changes and further updates

Thursday 16th September			
8.30	Registration Tea and Coffee available		School of Nursing
9.00	Opening Ceremony <i>Introduction:</i> Dr. Eabhnat Ní Fhloinn , Chair of the SMEC 2010 Organising Committee Prof. Brian McCraith , President of Dublin City University Prof. Patrick Cunningham , Chief Scientific Advisor to the Government of Ireland		HG22
9.40	Prof. Jonathan Osborne , Stanford University <i>Science without literacy: A Ship without a Sail?</i>		HG22
10.30	TEA/COFFEE		Foyer
11.00	Contributed talks		
	A.1 Katherine Slaughter (University of Edinburgh): <i>How a 1st year enquiry based approach affects student attitudes and beliefs about physics</i>	B.1 Elizabeth Oldham (TCD): <i>Teachers' Voices: "My" Mathematics, "My" Teaching, "My" experiences of Project Maths</i>	C.1 Nkosinathi Mpalami (CASTeL): <i>Mathematical representations as a means towards Inquiry-based learning</i>
	A.2 Claudio Fazio (Università di Palermo): <i>A problem based approach to sound speed in different materials</i>	B.2 Aisling Leavy (Mary Immaculate College): <i>Facilitating inquiry based learning in mathematics teacher education</i>	C.2 Andre Heck, (University of Amsterdam): <i>Cross-Disciplinary, Authentic Student Research Projects</i>
	A.3 Leah Wallace (LIT): <i>Facilitating an authentic learning experience in introductory physics at LIT</i>	B.3 David di Fuccia (University of Kassel): <i>Diagnosis and individual facilitation in science teacher education</i>	C.3. Ilkka Ratinen (University of Jyväskylä): <i>Primary student teachers conceptions about good science teaching: towards dialogic inquiry-based learning</i>
12.00	Dr. Martina Roth , Director of Intel's Global Education Strategy, Research and Policy <i>Assessment and Teaching of 21st Century Skills</i>		HG22
12.30	LUNCH		Foyer
13.40	Workshop sessions		
	Workshop: ESTABLISH: European Science and Technology in Action: Building Links with Industry, Schools and Home	Workshop: PROJECT MATHS: Learning and Teaching for the 21st Century Assessment	
15.10	TEA/COFFEE		Foyer
15.40	Prof. Barbara Jaworski , Loughborough University <i>Seeking an Inquiry Culture in Mathematics Teaching</i>		HG22
16.30	Poster presentation / wine reception Delegates presenting posters at SMEC 2010 will have the opportunity to summarise their research by way of a brief single slide presentation (maximum 2 minutes per presenter) to the general assembly		Foyer
19.00	Conference Dinner		The Washerwoman Restaurant, Glasnevin

Friday 17th September				
9.00	Dr. Donna L. Messina , University of Washington <i>Learning and Teaching Through Inquiry: Bringing change to the science classroom</i>		HG22	
9.50	Contributed talks (parallel)		HG09, HG10 & HG17	
	A.4 Shelia Porter (Intel): <i>Sci-fest : Science In Inquiry in Action</i>	B.4 Sancha Power (UL): <i>An Examination of Lower Secondary Science Teachers attitudes & beliefs to the 'revised' science syllabus</i>		C.4 Etain Kiely (Sligo IT): <i>Exciting First Year Students about Science through a Multidisciplinary Enquiry Based Learning Approach</i>
	A.5 Diana Smith (DCU): <i>"Like a real scientist": Evaluation of Science Clubs as Sites for Informal Learning</i>	B.5 John Hennessy (Alexandra College, Dublin): <i>ITEMS project: Improving teacher education in Maths and Science</i>	C.5 Orla Kelly (University of Plymouth): <i>Problem based learning approach with 1st year science students</i>	
10.30	TEA/COFFEE			
11.00	Contributed talks (parallel)		HG09, HG10 & HG17	
	A.6 Jennifer Johnston (NCE-MSTL): <i>Stimulating authentic learning experiences through the integration of science and mathematics teaching and learning</i>	B.6 John O'Shea (Mary Immaculate College): <i>Fostering positive attitudes towards maths problem solving in the primary school: lessons from practise</i>		C.6 Andreas Chiras (University of Cyprus): <i>Distributed Cognition: Scientific Investigations of primary school children in duo context</i>
	A.7 Richard Hoban (CASTeL): <i>A Study of Students' Ability in Transferring Mathematics to Chemistry Informing Inquiry-Based Learning in Mathematics</i>	B.8 Miriam Liston (NCE-MSTL): <i>The role of critical reflection and analysis in inquiry based learning using video-based experiences: Implications for maths teacher education</i>		C.7 Richard Millman (Georgia Institute of Technology): <i>Lessons from Teaching Algebra by A Multi-Disciplinary Team of Algebra Cubed STEM Graduate Students</i>
	A.8 Simon Bates (University of Edinburgh): <i>A quiet revolution: large scale curriculum change to embed enquiry based maths teaching into an undergraduate physics programme</i>	B.8 Dolores Corcoran (CASTeL): <i>Potentials and Pitfalls of Facilitating an Authentic Problem-based Mathematics Lesson</i>		C.8 Aine Regan (NCE-MSTL): <i>Retaining Weaker Students in Irish Undergraduate Science Programmes</i>
12.00	LUNCH			
13.10	Workshop sessions		HG10, HG17	
	Workshop: The Fibonacci Project: Disseminating Inquiry-based Science and Mathematics Education in Europe	Workshop: Constructing Knowledge and Skills in the Physics Laboratory		
14.40	TEA/COFFEE			
15.10	Ass. Prof. Sarah Lubienski , University of Illinois <i>Promoting Equity through Problem Solving: Results from Two Decades of Mathematics Instructional Reform in the United States.</i>		HG22	
16.00	Closing remarks & Conference close		HG22	