



MEI 7 Schedule

Friday October 11 th			
9:00 - 10:00	Registration (E200 concourse)		
10:00 – 11:30	Welcome and conference opening by Brian MacCraith (D211 McGahern Theatre) Opening Keynote Address: Paola Valero <i>Mathematics education in the “New Climatic Regime”</i>		
11:30 – 12:00	Coffee (E200 concourse)		
12:00 – 13:30	Parallel Session 1.a (E203) Chair: James Lovatt <i>Unexpected consequences of providing online videos in a service mathematics module: What one lecturer noticed.</i> Maria Meehan	Parallel Session 1.b (E205) Chair: Majella Dempsey <i>Lesson Play: Supporting pre-service teachers to envisage pupils’ sense-making in mathematics lessons.</i> Paul Grimes and Thérèse Dooley	Parallel Session 1.c (E206) Chair: Brendan O’Sullivan <i>What’s the point: Evaluating the impact of the bonus points initiative for mathematics.</i> Niamh O’Meara, Mark Prendergast and Paraic Treacy

	<p><i>Dilemmas experienced in lecturing undergraduate calculus.</i> Sinéad Breen and Ann O'Shea</p> <p><i>An investigation into the problem-solving capacities of preservice post-primary mathematics teachers: Implementation of taught strategies.</i> Emma Owens and Brien Nolan</p>	<p><i>Developing mathematical literacy: A report of the potential use of lesson study within ITE.</i> Mairéad Hourigan and Aisling Leavy</p> <p><i>The development of a set of low-inference codes for uncovering students' understanding of linear equations: Facilitating comparative analysis.</i> Paul Andrews and Niclas Larson</p>	<p><i>What PISA may tell us about mathematical literacy in an era of data science.</i> Finbarr Sloane and Anthony Eamonn Kelly</p> <p><i>Investigating the longitudinal impact of participating in school-based lesson study on mathematics teachers' professional community.</i> Emily Lewanowski-Breen, Aoibhinn Ní Shúilleabháin and Maria Meehan.</p>
13:30 – 14:30	Lunch (campus restaurant)		
14:30 – 16:00	<p>Symposium: Mathematics Teaching Efficacy Beliefs (D211 McGahern Theatre)</p> <p>Chair: Joe Travers</p> <p><i>Teacher self-efficacy: A belief about personal teaching capabilities or about capabilities to bring about desired educational outcomes?</i> Gosia Marschall and Steven Watson</p> <p><i>Self-efficacy: Conceptual foundations and crucial findings.</i> Mark Morgan</p> <p><i>Investigating mathematics teacher efficacy beliefs in primary initial teacher education.</i> Siún Nic Mhuirí, Aisling Twohill and Lorraine Harbison</p>		
16:00 – 16:30	Coffee (E200 concourse)		
16:30 - 18:00	<p>Parallel Session 2.a (E203)</p> <p>Chair: Niamh O'Meara</p>	<p>Parallel Session 2.b (E205)</p> <p>Chair: Catherine Byrne</p>	<p>Parallel Session 2.c (E206)</p> <p>Chair: Dolores Corcoran</p>

	<p><i>Investigating cognitive demand of higher-level certificate mathematics examination tasks pre- and post-curriculum reform.</i> Rachel O'Connor, Aoibhinn Ní Shúilleabháin and Maria Meehan</p> <p><i>“Modern Maths” and “Project Maths”: Polar opposites or mirror images?</i> Elizabeth Oldham</p> <p><i>High achieving students in leaving certificate mathematics: Why has the gender gap widened?</i> Aidan Roche</p>	<p><i>Mathematical identity of science and engineering students in an Irish university.</i> Fionnán Howard</p> <p><i>Current issues in pre-service primary teachers’ preparedness for teaching math: A discussion on geometry and spatial skills and related anxieties.</i> Rachel Harding and Brian Bowe</p> <p><i>Escalating interventions to improve behaviour and performance in an undergraduate statistics module.</i> Emma Howard, Maria Meehan and Andrew Parnell</p>	<p><i>Being able to do maths but yet feeling kind of free: Using the flagway game to learn mathematics.</i> Majella Dempsey and Ann O’Shea</p> <p><i>Opportunities for year one children to acquire foundational number sense: Comparing English and Swedish adaptations of the same Singapore textbook.</i> Joran Petersson, Judy Sayers, Eva Rosenqvist and Paul Andrews</p> <p><i>The influence of home factors on mathematics outcomes in multigrade settings.</i> Breed Murphy and Aisling Leavy</p>
18:30	Conference Dinner (Skylon Hotel)		

Saturday, October 12th

9:00 - 9:30	Registration (E200 concourse)		
9:30 – 11:00	<p>Parallel Session 3.a (E203)</p> <p>Chair: Aidan Roche</p> <p><i>Cooperative learning in inclusive settings in primary mathematics - Connecting task design and students' solution strategies.</i> Nina Flottmann</p> <p><i>Supporting mathematical literacy in post-primary schooling: Issues to consider when using a co-teaching approach.</i> Audrey Carty and Ann Marie Farrell</p> <p><i>STEM for fun.</i> Mairéad Holden</p>	<p>Parallel Session 3.b (E205)</p> <p>Chair: Fiona Giblin</p> <p><i>Planning for teaching early mathematics: Negotiation of shared intentions.</i> Siún NicMhuirí, Thérèse Farrell, Córa Gillic and Mary Kingston</p> <p><i>Consulting children: Maths and me.</i> Marie Brennan</p> <p><i>The relation between storytelling, spatial ability and its gender gap: A literature review.</i> Gavin Duffy and Maria Giulia Ballatore</p>	<p>Parallel Session 3.c (E206)</p> <p>Chair: Elizabeth Oldham</p> <p><i>Tipping the scales: An examination of textbook tasks in the context of curriculum reform.</i> Brendan O'Sullivan</p> <p><i>Developing a problem-solving module in mathematics for highly-able post-primary school students.</i> Aidan Fitzsimons and Eabhnat NíFhloinn</p> <p><i>The "N" framework - A potential solution to numeracy across the curriculum.</i> Kathy O'Sullivan, Niamh O'Meara, Merrilyn Goos and Paul Conway</p>
11:00 – 11:30	Coffee (E200 concourse)		
11:30 – 1:00	<p>Symposium: Curriculum Change (E214)</p> <p>Chair: Elizabeth Dunphy</p> <p><i>The ongoing development of the new primary mathematics curriculum – from research to reality.</i> John Behan, Tracy Curran, Jacqueline Fallon and Claire Reidy</p> <p><i>Transforming the primary mathematics curriculum: Guiding perspectives.</i> Thérèse Dooley</p>		

	<i>Mathematics reform in post-primary schools in Ireland: Opinions of pre-service teachers.</i> Eabhnat Ní Fhloinn, Brien Nolan, Giulio Hoehne Candido and Shannon M. Guerrero		
13:00 – 14:00	Lunch (E200 concourse)		
14:00 – 15:00	Parallel Session 4.a (E203) Chair: Ronan Ward <i>Investigating the effects of shared picture book reading on parental involvement in mathematics.</i> Edward Fitzgerald and Aisling Twohill <i>Facilitating mathematical discussion through the use of picture books in an Irish senior infant classroom.</i> Mary Kearney	Parallel Session 4.b (E205) Chair: Seán Delaney <i>The MKT and beliefs on problem solving of inservice teachers.</i> Maria Antonietta Lepellere and Marco Bardelli. <i>Post-primary teachers' motivations for flipping, and continuing to flip, the mathematics classroom.</i> Caoimhe McDonnell and Maria Meehan	Parallel Session 4.c (E206) Chair: Maurice O'Reilly <i>Maths Week Ireland: Promoting mathematical literacy, throughout and beyond education.</i> Cordula Weiss, Eoin Gill and Sheila Donegan <i>Scratch and computational thinking. A computer programming initiative in a girls' primary school.</i> Claire Carroll and Aisling Leavy
15:00 – 16:00	Closing Keynote Address (E214) Natthapoj Vincent Trakulphadetkrai <i>What if maths is taught to older pupils through mathematical story picture books?</i>		

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