

Schedule: Educating the Educators III (subject to changes)

Conference on international approaches to scaling-up professional development
in maths and science education, 7-8 October 2019 in Freiburg, Germany



Monday, 7 October 2019	
09:00-12:00	<p style="text-align: center;">9th Meeting of the European STEM Professional Development Centre Network</p> <p style="text-align: center;"><i>(internal meeting by invitation only)</i></p>
12:00-13:00	Conference Registration
	Snacks & Coffee
13:00-13:45	<p style="text-align: center;"><i>Aula</i></p> <p style="text-align: center;">Opening and Introduction</p> <p style="text-align: center;">moderated by Elena Köck/Katja Maaß, ICSE, University of Education Freiburg Prof. Dr. Ulrich Druwe, Vice-Chancellor, University of Education Freiburg Katja Maaß, Director of ICSE, University of Education Freiburg Michiel Doorman, Associate Professor, University Utrecht, Netherlands</p>
13:45-14:30	<p style="text-align: center;"><i>Aula</i></p> <p style="text-align: center;">Keynote 1: Kara Jackson University of Kentucky, USA</p> <p style="text-align: center;">Specifying and centering equity-specific learning demands in the improvement of mathematics teaching at scale</p>
14:30-15:00	Coffee Break / Change of Rooms

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15:00 - 16:00	Workshops							
16:00- 16:15	Coffee Break / Change of Rooms							
16:15- 16:40	Paper Presentations						Workshops	
	<i>Rollett, Wolfram</i> Changes in educational science research competencies among teachers in further education	<i>De Pauw, Tine</i> PHABLABS 4.0 - How to make science, and in particular Photonics, understandable?	<i>Dalby, Diane</i> Structures for the professional development of mathematics teachers in English vocational education	<i>Lindvall, Jannika</i> Characteristics and Impacts of Two Large-Scale PD Programs: Elaborating on Core Critical Features of Teacher PD	<i>Wessel, Lena</i> PD for Language-Responsive Mathematics – What teachers need to learn to implement a language-responsive learning trajectory on proportionality	<i>Mooldijk, Ad</i> A model for educating educators in Suriname is adapted by making the education partly blended	16:15- 17:15	<i>Tirosh, Dina</i> Professional development materials for preschool teachers <i>Magner, Jodelle S.W</i> From PD to Classroom Instruction: The Journey of Innovative Curricular Materials

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16:40-16:55	Change of Rooms						
16:55-17:40	Paper Presentations						
	<i>Balta, Nuri</i> The problem of having participants with different characteristics in the treatment and comparison groups in experimental PD studies	<i>Hernández del Barco, Míriam Andrea</i> Study about self-efficacy of teachers in training in their performance as science teachers	<i>Dagiene, Valentina & Jasutė, Eglė</i> Algorithms without a computer	<i>Kristinsdottir, Jonina Vala & Palsdottir, Gudbjorg</i> Professional development – a program for mathematics teachers	<i>Marcos-Merino, José María</i> Training prospective Primary teachers in Biology teaching through inquiry based: role of positive emotions anticipating learning		
	<i>Thurm, Daniel</i> Fostering teachers' self-efficacy beliefs through rehearsals in professional development programs	<i>Farrugia, Josette</i> Preparing to lead a learning community: A study of mathematics and science CPD leaders in Malta	<i>Mohd Fadzil, Hidayah</i> Biology Teachers' Professional Development through Scientist-Teacher-Student Partnership (STSP) Approach	<i>de Haan, Dédé</i> Use of Lesson Study in Mathematics Teacher Education as a means to encourage professional development	<i>Marcos-Merino, José María</i> Memory of Biology Secondary knowledge can condition current negative emotions of prospective Primary teachers towards Biology Education		
	Paper Presentations						
17:40-18:05	<i>Peters-Dasdemir, Joyce</i> Multi-professional - description of professionalization processes of facilitators in mathematical education	<i>van Leendert, Annemiek</i> Teachers' knowledge for teaching mathematics to braille readers	<i>Griese, Birgit</i> Propagating stochastic expertise for teaching: From input to agency	<i>Lefkos, Ioannis</i> Scientix portal: An educational community of learning and practice	<i>Triantafillou, Chrissavgi</i> Prospective mathematics teachers' pedagogical approaches in dealing with diverse classrooms	<i>Duske, Petra</i> Optimizing STEM teaching by offering demand-driven advanced teacher training	<i>Moeller, Babette</i> Math for All: Scaling-Up and Evaluating A Teacher Professional Development Program for Personalizing Mathematics Instruction In Grades K-5
	Paper Presentations						
19:00	<i>Waldsee</i> Reception & Gala Dinner						

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Tuesday, 8 October 2019								
09:00-09:45	<p><i>Aula</i></p> <p>Keynote 2: <i>Jim Ryder</i> University of Leeds</p> <p>Policy to support teacher engagement with education research knowledge: Implications for scaling up professional development</p>							
09:45-10:00	<p>Coffee Break / Change of Rooms</p>							
10:00-11:00	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #d9ead3;">Workshops</th> <th style="background-color: #d9ead3;">Programme Special</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;"> <p><i>Walter, Markus Ralf</i></p> <p>SIA - student - engineer – academy</p> </td> <td style="text-align: center;"> <p><i>Jonker, Vincent</i></p> <p>The language of graphs and tables. Language-oriented mathematics teaching in professionally oriented contexts</p> </td> </tr> <tr> <td colspan="2" style="text-align: center;"> <p><i>A brief talk by Andrea Brunello</i></p> <p>Curiosity and Wonder: Essential Ingredients in teaching STEM</p> </td> </tr> </tbody> </table>		Workshops	Programme Special	<p><i>Walter, Markus Ralf</i></p> <p>SIA - student - engineer – academy</p>	<p><i>Jonker, Vincent</i></p> <p>The language of graphs and tables. Language-oriented mathematics teaching in professionally oriented contexts</p>	<p><i>A brief talk by Andrea Brunello</i></p> <p>Curiosity and Wonder: Essential Ingredients in teaching STEM</p>	
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11:30-11:55	Paper Presentations					
<p><i>Evagorou, Maria</i> Utilizing Data from International Achievement Studies in Teacher Professional Development in Science</p>	<p><i>Langhans, Alice</i> Investigating STEM Teachers' Initial Beliefs Entering a Professional Development Programme Addressing Diversity</p>	<p><i>Cyvin, Jardar</i> Outdoor science learning in a multicultural classroom: Students' perspectives</p>	<p><i>Mateos-Nuñez, Milagros</i> Influence of the implementation of STEM workshops on the learning and emotions of primary school pupils</p>	<p><i>Boylan, Mark</i> Policy shifts in primary mathematics professional development in England: hybrid roles and system leadership</p>	<p><i>Febri, Maria Immaculata Maya</i> How do the 5E-model and the Nysgjerrigper method support or not support the implementation of inquiry-based learning at lower primary?</p>	
11:55-12:15	Coffee Break / Change of Rooms					
12:15-12:40	Paper Presentations					
<p><i>Tarp, Allan</i> Can Grounded Math and Education and Research Become Relevant to Learners</p>	<p><i>Pöhler, Birte</i> Coping with teachers' contributions in discussions – A case study on facilitators' practices in PD courses on language-responsive mathematics teaching</p>	<p><i>Teslenko, Tatiana</i> Developing a Module on Copyright for Applied Science Students in Canada</p>	<p><i>Bertram, Jennifer</i> Mathematics & Inclusion – a Professional Development Program on Inclusive Maths Classes in Rhineland-Palatinate (Germany)</p>	<p><i>Longhitano, Marco</i> Quality criteria of inquiry-based learning resources in primary school science education: A systematic literature review</p>	<p><i>Martinez-Borreguero, Guadalupe</i> Cognitive, affective, competential and didactic analysis of the development of STEM projects in the primary education teacher training stage</p>	
13:00-14:00	Mensa Lunch					

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14:00-15:00	15:00	Discussion Group	Workshops		Opening Materials Market
		<i>Calleja, James</i> Exploring Issues Related to Increasing CPD Leaders' Responsibility for Professional Learning	<i>Veldkamp, Alice</i> No escape: the basics and the possibilities for educators of the bottom-up phenomenon 'escape rooms' in education	<i>Stojanovska, Marina</i> Transforming Traditional Classroom into an Escape Room Classroom	
15:00-16:00		followed by  Materials Market & Poster Presentations (for all participants)			
16:00-16:30		Coffee Break / Change of Rooms			
16:30-17:15		<i>Aula</i> Final Keynote: <i>Susanne Prediger</i> Technische Universität Dortmund Towards a research-base for supporting and educating the educators			
17:15-17:30		Science Days Performance			
17:30-17:45		Farewell End of conference			