

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 KA106 <i>(internal meeting by invitation only)</i></p>
12:00-13:00	Conference Registration KG5 104
	Snacks & Coffee KG5 103
13:00-13:45	<p style="text-align: center;"><i>Aula</i></p> <p style="text-align: center;">Opening and Introduction 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 Washington, 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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16:40-16:55	Change of Rooms				
16:55-17:45	Paper Presentations				
	<i>KA 101</i> <i>Mateos-Nuñez, Milagros (et al.)</i> Influence of the implementation of STEM workshops on the learning and emotions of primary school pupils	<i>KA 102</i> <i>Hernández del Barco, Míriam Andrea (et al.)</i> Study about self-efficacy of teachers in training in their performance as science teachers	<i>KA 106</i> <i>Dagiene, Valentina (et al.)</i> Algorithms without a computer	<i>KA 209</i> <i>Kristinsdottir, Jonina Vala (et al.)</i> Professional development – a program for mathematics teachers	<i>KA 211</i> <i>Marcos-Merino, José María (et al.)</i> Training prospective Primary teachers in Biology teaching through inquiry based: role of positive emotions anticipating learning
	<i>KA 101</i> <i>Martinez-Borreguero, Guadalupe (et al.)</i> Cognitive, affective, competential and didactic analysis of the development of STEM projects in the primary education teacher training stage	<i>KA 102</i> <i>Farrugia, Josette (et al.)</i> Preparing to lead a learning community: A study of mathematics and science CPD leaders in Malta	<i>KA 106</i> <i>Wessel, Lena (et al.)</i> PD for Language-Responsive Mathematics – What teachers need to learn to implement a language-responsive learning trajectory on proportionality	<i>KA 209</i> <i>de Haan, Dédé</i> Use of Lesson Study in Mathematics Teacher Education as a means to encourage professional development	<i>KA 211</i> <i>Marcos-Merino, José María</i> Memory of Biology Secondary knowledge can condition current negative emotions of prospective Primary teachers towards Biology Education
	17:50-18:15				
Paper Presentations					
<i>KA 101</i> <i>Peters-Dasdemir, Joyce</i> Multi-professional - description of professionalization processes of facilitators in mathematical education	<i>KA 102</i> <i>van Leendert, Annemiek (et al.)</i> Teachers' knowledge for teaching mathematics to braille readers	<i>KA 209</i> <i>Lefkos, Ioannis</i> Scientix portal: An educational community of learning and practice	<i>KA 211</i> <i>Potari, Despina (et al.)</i> Prospective mathematics teachers' pedagogical approaches in dealing with diverse classrooms	<i>KA 106</i> <i>Moeller, Babette (et al.)</i> Math for All: Scaling-Up and Evaluating A Teacher Professional Development Program	

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19:00	<p><i>Waldsee</i></p> <p>Reception & Gala Dinner</p>
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Tuesday, 8 October 2019

09:00-09:45	<p><i>Aula</i></p> <p>Keynote 2: Jim Ryder University of Leeds</p> <p>Policy to support teacher engagement with education research knowledge: Implications for scaling up professional development</p>
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09:45-10:00	<p>Coffee Break / Change of Rooms KG5 103</p>
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10:00-11:00	<table border="1" style="width: 100%;"> <tr> <th colspan="2" style="background-color: #e0ffe0;">Workshops</th> </tr> <tr> <td style="width: 50%; text-align: center; vertical-align: top;"> <p><i>KA 106</i> <i>Walter, Markus Ralf</i> SIA - student - engineer – academy</p> </td> <td style="width: 50%; text-align: center; vertical-align: top;"> <p><i>KA 102</i> <i>Wijers, Monica (et al.)</i> The language of graphs and tables. Language-oriented mathematics teaching in professionally oriented contexts</p> </td> </tr> </table>	Workshops		<p><i>KA 106</i> <i>Walter, Markus Ralf</i> SIA - student - engineer – academy</p>	<p><i>KA 102</i> <i>Wijers, Monica (et al.)</i> The language of graphs and tables. Language-oriented mathematics teaching in professionally oriented contexts</p>
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Paper Presentation 10:00-10:45
<p><i>KA 209</i> <i>Febri, Maria Immaculata Maya (et al.)</i> How do the 5E-model and the Nysgjerrigper method support or not support the implementation of inquiry-based learning at lower primary?</p>
<p><i>KA 209</i> <i>Lars Holzäpfel (et al)</i> What should facilitators know about teachers use of differentiating tasks in the teaching mathematics?</p>

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11:00-11:30	Coffee Break / Change of Rooms				Policy Seminar (internal meeting by invitation only)	
11:00-13:00	KA 101 Initiating and Sustaining Cooperation for Innovation in STEM Education <i>Strategies and Communication for Cooperation between different stakeholders</i>					
11:30-11:55	Paper Presentations					
KA 102 <i>Evagorou, Maria (et al.)</i> Utilizing Data from International Achievement Studies in Teacher Professional Development in Science	KA 106 <i>Langhans, Alice (et al.)</i> Investigating STEM Teachers' Initial Beliefs Entering a Professional Development Programme Addressing Diversity	KA 209 <i>Cyvin, Jardar (et al.)</i> Outdoor science learning in a multicultural classroom: Students' perspectives	KA 211 <i>Boylan, Mark (et al.)</i> Policy shifts in primary mathematics professional development in England: hybrid roles and system leadership			
11:55-12:15	Coffee Break / Change of Rooms					

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12:15-12:40	Paper Presentation			
	<p><i>KA 102</i> <i>Tarp, Allan</i> Can Grounded Math and Education and Research Become Relevant to Learners</p>	<p><i>KA 106</i> <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>KA 209</i> <i>Teslenko, Tatiana</i> Developing a Module on Copyright for Applied Science Students in Canada</p>	<p><i>KA 211</i> <i>Bertram, Jennifer (et al.)</i> Mathematics & Inclusion – a Professional Development Program on Inclusive Maths Classes in Rhineland-Palatinate (Germany)</p>
12:40-14:00	<p><i>Mensa</i> Lunch</p>		<p><i>KG5 104</i> Opening Materials Market</p>	

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14:00-15:00	Discussion Group	Workshops		KG5 104 Materials Market & KG5 103 Poster Presentation (for all participants)	Paper Presentation 14:00-14:50 KA 209 Griese, Birgit (et al.) Propagating stochastics expertise for teaching: From input to agency KA 209 Longhitano, Marco (et al.) Quality criteria of inquiry-based learning resources in primary school science education: A systematic literature review
15:00-16:00	KA 106 Calleja, James (et al.) Exploring Issues Related to Increasing CPD Leaders' Responsibility for Professional Learning	KA 101 Veldkamp, Alice (et al.) No escape: the basics and the possibilities for educators of the bottom-up phenomenon 'escape rooms' in education	KA 102 Stojanovska, Marina Transforming Traditional Classroom into an Escape Room Classroom		
16:00-16:30	Coffee Break / Change of Rooms				
16:10-16:30	Aula Programme Special Curiosity and Wonder: Essential Ingredients in teaching STEM A brief talk by Andrea Brunello				

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16:30- 17:15	<p><i>Aula</i></p> <p>Final Keynote: <i>Susanne Prediger</i> Technische Universität Dortmund</p> <p>Towards a research-base for supporting and educating the educators</p>
17:15- 17:45	<p><i>Aula</i></p> <p>Science Show: Experiments with Fire <i>by Joachim Lerch</i></p>
17:45- 18:00	<p><i>Aula</i></p> <p>Farewell End of conference</p>