

## TSG-50 Mathematics education in and for work; continuous mathematics education including adult education. Overview of activity.

The TSG has received eight paper contributions that will make an oral contribution at meetings of the group. As a result of the review process the eight contributors of papers were all invited to extend their writing to 8 pages. Also there is one poster presentation.

In our TSG meetings during conference we plan to address three key questions as an overarching organising structure. We have allocated time according to the schedule below for contributions to facilitate the discussions around the key questions.

Please note that each presentation should be a maximum of 15 minutes which will then be followed by 5 minutes of direct questions.

TSG50 session 1, Tuesday July 13<sup>th</sup>,

13:30 – 15:00 (UTC+1-London)

19:30 – 21:00 (UTC+8-Shanghai)

07:30 – 09:00 (UTC-5 Eastern Standard Time)

Theme: What issues do we need to consider in designing for ME in and for work?

	Presence
<b>Introduction</b>	
<b>Wake:</b> <i>Designing for the learning of mathematics for vocational competence</i>	Online
<b>Li Xiaocheng:</b> <i>Construction of mixed training model for rural mathematics teachers in junior middle school</i>	At the venue
<b>Sundtjønn</b> <i>Sociomathematical norms in vocational mathematics education</i>	Online
<b>Sá</b> <i>Infographics about the world of work: an experience with students of vocational education integrated to high school (poster)</i>	Online
<b>Joint discussion on Considerations in designing for ME in and for work.</b>	

TSG50 session 2, Friday July 16<sup>th</sup>,

15:30 – 17:00 (UTC+1-London)

21:30 – 23:00 (UTC+8-Shanghai)

09:30 – 11:00 (UTC-5 Eastern Standard Time)

Theme: What role can theory play in our mathematics education (ME) research?

	Presence
<b>Introduction</b>	
<b>Boistrup:</b> <i>Investigating interfaces between mathematics and vocational content: logos and praxis in education</i>	Online
<b>Foncesca:</b> <i>"Here we are the boss": numeracy practices as resistance tactics of clothing factory workers in Brazilian northeast</i>	Online
<b>Joint discussion on the role of theory</b>	

TSG50 session 3, Saturday July 17<sup>th</sup>,

08:30 – 10:30 (UTC+1-London)

14:30 – 16:30 (UTC+8-Shanghai)

02:30 – 04:30 (UTC-5 Eastern Standard Time)

Theme: How can we support the learning of mathematics by adults?

	Presence
<b>Introduction</b>	
<b>Ahl:</b> <i>Adults' proportional reasoning in a volume scaling situation</i>	Online
<b>Diez-Palomar:</b> <i>Re-thinking the assessment of adults' numeracy skills: new challenges, new responses.</i>	Online
<b>Misra:</b> <i>Moocs for lifelong mathematics learning of adults in india: promises and strategies</i>	Online
<b>Joint discussion on how to support the learning of mathematics by adults</b>	
<b>Discussion on a possible post-publication from TSG50</b>	