

# TSG Agenda

Dear contributors to TSG 25,

We look forward to welcoming you to the TSG 25 at ICME 14.

We have 6 accepted long papers, 18 accepted short papers and 7 accepted posters. You are all corresponding authors for at least one contribution.

We have had some issues with the conference management system, so we hope that you have all received the letter of acceptance and review and sincerely apologize if you met any problem during this process.

The TSG 25 will run as a **completely online event**.

We will have four sessions:

- Session 1: 14:30-16:30 Beijing time, July 13<sup>th</sup>
- Session 2: 19:30-21:00 Beijing time, July 14<sup>th</sup>
- Session 3: 21:30-23:00 Beijing time, July 16<sup>th</sup>
- Session 4: 21:30-23:00 Beijing time, July 17<sup>th</sup>

## Session 1

Time: 14:30-16:30 Beijing time, July 13<sup>th</sup>

1. **Welcome and housekeeping (10 min)**
2. **Long paper 1 (10 min)** An Immersive Learning Experience for Teaching Equations Equation Lab, (2062) **Morten Elkjaer** and Lui Albaek Thomsen
3. **Long paper 2 (10 min)** Student's Autonomy and Digital Technologies: Collective Documentation Work in Preservice Teacher Education (1926) **Ghislaine Gueudet** and Sophie Joffredo-Le Brun
4. **Discussion of the two long papers (10 min)**
5. **Break (10 min)**
6. **Short paper 1 (8 min)** Using Augmented Reality Technology for Instructional Media in Mathematics Education (2194) **Shiwei Tan**
7. **Short paper 2 (8 min)** Mediations and Rules when Working with the Interplay between Original Sources and Geogebra (2120) **Marianne Thomsen** -and Uffe Thomas Jankvist

8. **Short paper 3 (8 min)** Developing Spatial Skills in a Virtual Reality Environment for Carpentry Apprentices (2113) **Sylvia Van Borkulo and Paul Drijvers**
9. **Discussion of the three short papers (10 min)**
10. **Break (10 min)**
11. **Poster 1 (3 min)** Application of GeoGebra in the Function Study: the Use of ICT in Teaching Mathematics (2046) **Wesley Matheus Moura Balbino, Medeiros de Oliveira and Francismar Holanda**
12. **Poster 2 (3 min)** EVA: An Educational Tool to Simulate Evacuations of Buildings (2032) **André Greubel and Hans-Stefan Siller**
13. **Poster 3 (3 min)** Perspectives on the Use of ICT in the High School Mathematics Classrooms (1822) **Erin Herz and George Ekol**
14. **Poster 4 (3 min)** Role of ICT to Enhance Mathematics Teaching (1428) **Santosh Paudel and Binaya Bhandari**
15. **Poster 5 (3 min)** The Mathema Kids Research Seed: A Geogebra Youth Club that Tells Stories (1170) **Carlos Eduardo Leon and Jefer Camilo Sachica-Castillo**
16. **Discussion of the 5 posters (10 min)**

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**Session 2** Time: 19:30-21:00 Beijing time, July 14<sup>th</sup>

17. **Long paper 3 (10 min)** Instrumental Orchestration with Dynamic Geometry: A Chinese Case Study (1893) **Zhu Fangchun**
18. **Long paper 4 (10 min)** Gray-boxing as a Means for Mathematical Communication (2051) **Cecilie Carlsen Bach**
19. **Discussion of long papers (10 min)**
20. **Break (10 min)**
21. **Short paper 4 (8 min)** Desmos App in the Mathematics Classroom: Limitations and Potentialities (2091) **Jair Dias de Abreu and Silviano de Andrade**
22. **Short paper 5 (8 min)** Augmented Reality for Outdoor Modeling Tasks: Bridging Real Problems with Mathematical Concepts (1624) **Adi Nur Cahyono, Yulius Leonardus Sukestiyarno, Mohammad Asikin and Matthias Dieter Ludwig**

23. **Short paper 6 (8 min)** Micro-Teaching of Landmark Jobs Fostering Self-Efficacy for Teaching Mathematics with Technology (1619) Daniel Thurm and **Baerbel Maria Barzel**
24. **Short paper 7 (8 min)** Digital Competency Found by Prospective Secondary Teachers According Ontosemiotic Approach (1544) **Joaquin Gimmenez**, Silvia Carvajal and Vicenç Font
25. **Discussion of the four short papers and the poster (10 min)**

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**Session 3:** 21:30-23:00 Beijing time, July 16th

26. **Long paper 5 (10 min)** The Development of Technological Craft Knowledge within a Community of Inquiry (1862) **Ahlam Anabousy**, Michal Tabach
27. **Long paper 6 (10 min)** Mobile Learning of Mathematics with Apps for Math Trails (500) **Ana Donevska-Todorova**
28. **Discussion of long papers (10 min)**
29. **Break (10 min)**
30. **Short paper 8 (8 min)** Media, Cognition and Assemblage Perspectives on ICT in Education: A Three-Part Study in an Indian School (1368) **Prateek Shah**, Harshit Agrawal and Sanjay Chandrasekharan
31. **Short paper 9 (8 min)** Evolution of Teaching Practices with ICT: A Case Study with Scratch in the French New Mathematics Curricula (1215) **Mariam Haspekian**
32. **Short paper 10 (8 min)** Connecting Conjectures and Proof Using Dynamic Geometry Environments and a Toolbox Puzzle Approach (838) **Ingi Heinesen Hojsted**
33. **Poster 6 (3 min)** Technology in Classroom: A Report of 3 Researches (507) **Alejandro Miguel Rosas Mendoza**
34. **Discussion of the three short papers and the poster (10 min)**

**Session 4:** Time: 21:30-23:00 Beijing time, July 17<sup>th</sup>

35. **Short paper 11 (8 min)** Impact of Online Automated Learning Path on Student Learning: The Mindmath Project in Elementary Algebra (743) **Brigitte Grugeon-Allys**, Elann Lesnes-Cuisiniez, Fabrice Vandebrouck
36. **Short paper 12 (8 min)** Engagement and Moderation of Mathematical Modelling Tasks in Virtual Environments (712) **Joseph Simon Madrinan**, Catherine Vistro Yu
37. **Short paper 13 (8 min)** Computer-Dependent Mathematics Teaching in Schools (498) **Rabindra Kumar Bhattacharyya**
38. **Short paper 14 (8 min)** Type of Mathematics Tasks with Dynamic Geometry Software (446) **LIPING YAO**
39. **Discussion of the four short papers (10 min)**
40. **Break (5 min)**
41. **Short paper 15 (8 min)** Strategic Use of Content-Specific and Content-Neutral Technologies to Cater Learning Diversity in Mathematics (414) **Thomas K.F. Chiu**
42. **Short paper 16 (8 min)** Digital Tools and Mediation in Informal Justification (353) **Rikke Maagaard Gregersen**
43. **Short paper 17 (8 min)** Digital Technology in Relation to the Mathematical Thinking Competency (352) **Mathilde Kjaer Pedersen**, Uffe Thomas Jankvist, Morten Misfeldt
44. **Poster 7 (3 min)** Students Mathematics Experience of the Technology Self-Directed Learning (TSDL) Pedagogy (333) **Hoi Kei Melody Wong**, I.A.C.Mok
45. **Discussion of the three short papers and the poster (10 min)**
46. **Closing (5 min)**