

Call for Papers

International Symposium on Augmented and Virtual Reality in Mathematics Education

October 6-7, 2022, Online

Augmented and virtual reality (AR/VR) are technologies of increasing importance in our society. In the field of mathematics education, these innovative technologies can offer a wide range of opportunities to support learning processes. Fascinating ideas have been developed and important scientific findings have been made during the last years. However, there is still a great need for concrete ideas and systematic scientific research. To tackle this desideratum, the collaboration of practice and research is essential. With this international symposium we want to contribute to the discourse by presenting existing insights and bringing parties from research and practice together.

We invite you to participate with a **presentation (25 minutes presentation + 20 minutes discussion)** on one of the following topics. Contributions from mathematics education research (empirically or theoretically based) and/or practice are welcome (also work-in-progress):

- Creative ideas for visualizing mathematics with AR/VR
- Development of AR/VR applications for mathematics education
- Use of AR/VR technology in schools and universities for learning mathematics
- Connecting AR/VR and other digital technologies for learning mathematics
- AR/VR and STEM education with a focus on mathematics
- AR/VR technology from a mathematical perspective

Interested people can apply with a **presentation in English language until August 31, 2022**. The title of the presentation and a short abstract (max. 150 words) need to be submitted. **Registration** for the conference without a presentation is possible **until September 30, 2022**. Both options for participation are **free of charge**. The registration occurs via the conference website:

<https://www.uni-siegen.de/fb6/didaktik/veranstaltungen/symposiumarvr.html>

After the symposium, a **book of the contributions** of the symposium will be published with Springer Publishing. All speakers are warmly welcome to contribute with a paper. A timeline can be seen below. More detailed information on this will follow.

Please send questions and comments to the following email address:

dilling@mathematik.uni-siegen.de

Best regards from the organizing committee of the University of Siegen,

Frederik Dilling

Julian Sommer

Prof. Dr. Ingo Witzke

Timeline:

Signing up for a presentation	August 31, 2022
Registration for the conference	September 30, 2022
Conference	October 6-7, 2022
Submission of a paper	January 15, 2023
Submission of reviews	February 15, 2023
Submission of revised papers	March 15, 2023
Publication of the book	Approx. June 2023