



# Earli

## Newsletter

July 2023

SIG 20 - INQUIRY LEARNING / NEWSLETTER

ISSUE 13

## Editorial

by Koen Veermans, Tasos Hovardas, and Valentina Nachtigall

Dear members of EARLI SIG 20,

We are happy to announce our 13<sup>th</sup> newsletter.

In this newsletter, we would like to inform you about the following topics:

1. Invited Symposium at EARLI 2023
2. SIG 20 Business Meeting and Dinner at EARLI 2023
3. Next SIG 20 Webinar on Inquiry Learning
4. Incoming SIG 20 Coordinators
5. Call for Papers (Special Issue)
6. SIG 20 & SIG 26 Conference in 2024
7. Survey for our Members

Please feel free to forward this newsletter to colleagues who are not yet members of our SIG but might be interested in research on inquiry learning or even in becoming a member!

## 1. Invited Symposium at EARLI 2023

We warmly invite you to attend the SIG 20 invited symposium at this year's [EARLI conference](#) in Thessaloniki. The symposium takes place on **August the 23rd at 5pm (Session G)** and is on "Contexts and Variations of the Phases of Inquiry-Based Learning". It will be discussed by Margus Pedaste and includes the following four papers:

- **Problematizing a linear conceptualization of inquiry learning**  
(*Tasos Hovardas*)
- **Mathematical Modelling With Hands-on Experimentation as a Possibility for Inquiry Learning**  
(*Ramona Hagenkötter, Valentina Nachtigall, Katrin Rolka, & Nikol Rummel*)
- **Enrichment for talented students: Scientific inquiry competencies in primary schools**  
(*Ulrich Trautwein, Julia Schiefer, Markus Kleinhansl, Julia-Maria Lange, Fabienne Kremer, Lucas Stark, Katerina Tsarava, Jessika Golle, & Benjamin Nagengas*)
- **Refining Phases of Inquiry: bridging between model and practice**  
(*Koen Veermans, Tomi Jaakkola, Antti Lehtinen & Wouter van Joolingen*)

## 2. SIG 20 Business Meeting and Dinner at EARLI 2023

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The SIG 20 business meeting takes place on Wednesday, August 23, from 19:30 to 20:30. We are looking forward to meet all of you there. After the business meeting, all SIG 20 members are warmly invited to join our SIG 20 dinner to continue conversations and informal networking. Please note that the dinner expenses will be the responsibility of each participant, but we have opted for a restaurant that is affordable for our JURE members.

To ensure we secure reservations at a Greek restaurant in Thessaloniki, we kindly request to pre-register for the dinner. We will be dining at Sourtouko restaurant ([Tripadvisor link](#)) which has vegetarian, vegan and gluten-free options. The restaurant location is within walking distance to the venue, so we will get a chance to enjoy a stroll through the city en route to the restaurant.

If you would like to join us, please take a moment to complete [this survey](#) (by July 31). We ask for your name, email address, and any dietary restrictions you may have.

Your prompt response will greatly assist us in making the necessary arrangements. We appreciate your cooperation and look forward to sharing a lovely evening with you!

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## 3. Next SIG 20 Webinar on Inquiry Learning

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We are happy to announce the third SIG 20 webinar of our new webinar series on inquiry learning:

„Busting the myth of the mean in inquiry learning research“

**Prof. Ard Lazonder**

Friday, September 22, 2023  
10 a.m. - 11:30 a.m. (CET)

**Abstract:** Most quantitative research in the field of inquiry-based teaching and learning administers designs that rely on group means. For example, a typical intervention study would assign learners to two or more instructional conditions where they investigate the same topic but with different types or amounts of guidance. The relative effectiveness of the instructional regimes at hand is established by comparing average scores across conditions (e.g., mean number of experiments, mean posttest scores). Underlying these research designs is the fallacy that subsamples are homogeneous and that every group member benefits to the same extent from the instructional treatment they receive. In this webinar, I will challenge this “one size fits all” approach and discuss more sophisticated methodological and statistical alternatives that acknowledge individual differences among learners. These include ‘classic’ alternatives such as within-subject designs and sequential designs as well as contemporary person-centered analyses of data obtained in between-group designs (e.g., latent profile analysis). Approaches like these could contribute to the uptake and further development of differentiated forms of guidance that accommodate the needs and preferences of individual learners.

**If you are interested in attending the upcoming webinar from Prof. Ard Lazonder, please register [here](#).**

## 4. Incoming SIG 20 Coordinators

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We are pleased to announce the new Coordinators of SIG 20 who will officially take office at the SIG 20 Business Meeting at EARLI 2023. Please join us in welcoming Tomi Jaakkola and Christiana Varda.

### **Tomi Jaakkola, *Incoming SIG Coordinator***



Tomi Jaakkola (male) is an Associate Professor (tenure track) of Teacher Education at the Tampere University (TAU), Finland. He has a Master's degree and a PhD in Education from the University of Turku. Tomi is also a certified primary school teacher. He has been actively involved in Earli SIG 20 since its inception in 2009. His main research focus is on learning and interest in the context of computer-supported inquiry learning in STEM education. For almost two decades he has been researching the effects of different inquiry learning environments, learning materials and pedagogical solutions on learning outcomes, learning processes and interest. He has also studied the experiences, skills and attitudes of teachers and student teachers towards inquiry learning and has participated (also as PI) in several national and international research projects on these topics.

He is also interested in multimedia learning and digital games. Tomi has been actively involved in the development of teacher and doctoral education in Finland and is a member of the steering group at the Tampere University that promotes and develops science education for children and young people. He is currently the representative of Tampere University in the Teacher Education Working Group of the European Consortium of Innovative Universities (ECIU).

### **Christiana Varda, *Incoming JURE Coordinator***



Christiana Varda is a PhD candidate at the Media, Cognition and Learning Research Group, in the Department of Communication and Internet Studies of the Cyprus University of Technology. She is also a Lecturer and Course Leader of BSc (Hons) Media Production at UCLan Cyprus. Her research focuses on understanding the role of emotions during the evaluation of online information on social media, and her research interests include emotions, epistemic cognition, informal learning, misinformation and media literacy. She graduated as a Schreyer Honors Scholar from the Pennsylvania State University, where she studied on a full CASP / Fulbright scholarship. She holds a BA in Communications (Journalism) and a BA in English; she also has an MA in Interactive Multimedia from the Cyprus University of Technology. Christiana taught Media Studies in secondary education for a decade before making the jump to academia. She is also the founder and CEO of the non-profit organization Media What, which is focused on cultivating media literacy skills through participatory media activities.

## 5. Call for Papers (Special Issue)

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As it might be of interest for our SIG20 members, we would like to announce a call for papers for a Special Issue in Learning and Instruction on "Toward Lasting Learning: Cognitive Mechanisms and Instructional Means to Maintain the Outcomes of Meaningful Learning". The deadline for submitting abstracts for the Special Issue is November 30, 2023. You can find more information [here](#).

## 6. SIG 20 & SIG 26 Conference in 2024

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We are excited to announce the dates, location, and theme of the next joint conference of SIG 20 and SIG 26:



25<sup>th</sup> to 27<sup>th</sup> of September 2024



[sig20inquiry@gmail.com](mailto:sig20inquiry@gmail.com)  
[earlisig26@gmail.com](mailto:earlisig26@gmail.com)

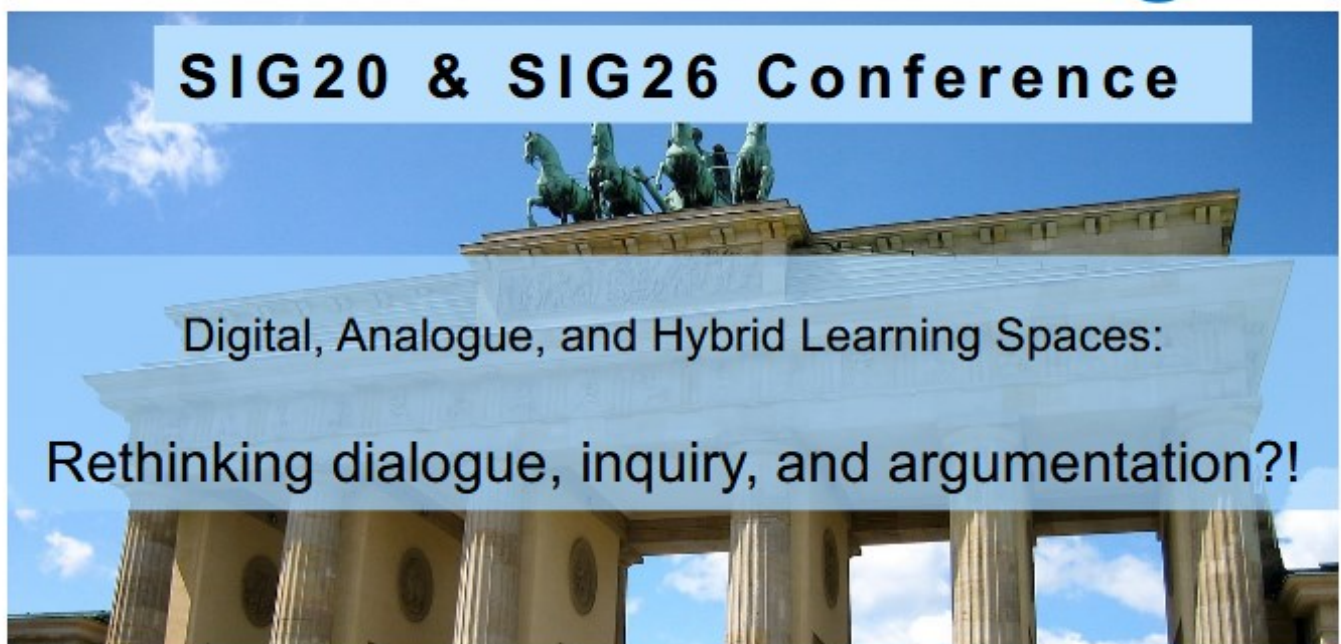


Berlin, Germany



Submission opens 1<sup>st</sup> of March 2024  
Submission closes 31<sup>st</sup> of March 2024

We are looking forward to  
your submissions!



## 7. Survey for our Members

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In preparation for the upcoming business meeting of SIG20 at EARLI 2023 in Thessaloniki, we would like to remind you to complete our short survey. That will help us to get an overview of the needs and desires of our members and act accordingly as SIG20 coordinators. [Here](#) is the link to the survey.

# Newsletter

## July 2023

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