



Earli

Newsletter

March 2018

SIG 20-INQUIRY LEARNING / NEWSLETTER

ISSUE 2

Editorial

by Bram de Wever, Ingo Kollar (SIG Coordinators) & Yiannis Georgiou (JURE SIG coordinator)

Dear colleagues in EARLI SIG 20,

We are happy to announce our second newsletter.

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

1. Third call: Joint SIG 20 & SIG 26 meeting
2. Highlight: The keynote speakers of our SIG
3. JURE coordination of SIG 20
4. SIG membership
5. Call for papers for a special issue

Please feel free to forward this newsletter to people who are not yet member of our SIG but might be interested in inquiry learning! If you have any suggestions or you would like to contribute to the next newsletter just send us an e-mail to earlisig20@lists.ugent.be

1. Third call: Joint SIG 20 & SIG 26 meeting

We are pleased to invite you to the Joint 2018 Meeting of the EARLI Special Interest Groups 20 ("Inquiry Learning") and 26 ("Argumentation, Dialogue and Reasoning"). The theme of the conference is "Argumentation and Inquiry as Venues for Civic Education". The conference will be held from Tuesday the 9th to Friday the 12th of October 2018 in Jerusalem, Israel. We will relate to the significance of this historic place to raise issues about multiculturalism in conjunction with inquiry, argumentation, dialogue and reasoning.

The conference provides an opportunity to recognize how argumentation and inquiry can be seen as venues for civic education. The joint meeting in Jerusalem will offer both opportunities for rather "pure" sessions that are organized by either SIG 20 or SIG 26, but also for sessions that bridge between the two SIGs.

As the submission deadline for the joint SIG 20 & 26 meeting in Jerusalem is approaching (March 28, 2018), we would like to encourage you to submit your proposals. Please note that we welcome proposals covering a broad range of topics, including (but not limited to) inquiry in different domains, problem-based learning, historical reasoning, and scaffolding. We also would like to point to the possibility to submit symposium proposals that explicitly bridge between the two SIGs. For more information you can visit the [conference website](#).



2. Highlight: The keynote speakers of our SIG

As the highlight of our second newsletter we would like to share with you the information about the keynote speakers of our SIG 20 during the upcoming Joint SIG 20 & SIG 26 meeting. We are very honored that two very renowned researchers on inquiry learning have accepted our invitations to act as keynote speakers:

- Cindy Hmelo-Silver from the School of Education at Indiana University Bloomington
- Eleni Kyza from the Cyprus University of Technology



**Keynote 2: From robots to sparrows:
Technology-supported inquiry learning across
time and space**

*By Cindy Hmelo-Silver
School of Education, Indiana University*

Technology has created new forms of inquiry that can support learning and engagement across the lifespan. The results of a recent synthesis report show that indeed, the most robust uses of computer-supported collaborative learning in STEM domains are to support inquiry. From citizen scientists working on locally relevant problems over time to secondary students using technology to communicate across space, STEM inquiry can serve as a path to civic engagement.

In this presentation, I will talk about the use of computer-supported collaborative learning to support inquiry, in particular, how different combinations of technologies, pedagogies, and modes of collaboration interact. In particular, I will consider how the recent Jeong & Hmelo-Silver framework of Seven Affordances for Computer-Supported Collaborative Learning has been instantiated in recent citizen science and robotics projects, ways that they have the potential to support civic engagement, and conjectures about opportunities realized and challenges faced.



**Keynote 2: Transforming learning
and teaching through inquiry
for responsible citizenship**

*By Eleni Kyza
Cyprus University of Technology*

The increased scientific and technological innovation activity of recent times has led to calls for a renewed role for citizens. At the forefront lie many new exciting possibilities for advancement, which, at the same time, bear the possibility of risks with unknown consequences for all. The European Commission's key priority on Responsible Research and Innovation (RRI) is indicative of the consensus for active citizenship: RRI seeks to mobilize different sectors of society so that all citizens understand that humans, more than ever, have an important responsibility in the process and outcomes of scientific and technological developments. Education is also expected to contribute to achieving the RRI goals, as it can support the development of critical skills and knowledge to shape a rapidly evolving world. In this talk, I will discuss ongoing efforts to integrate the RRI ideas in inquiry science education. I will first present SSIBL, a pedagogical framework developed by the PARRISE consortium for promoting active citizenship through inquiry-based science, and present examples from our research, with teachers and students, using the theoretical lenses of participatory and collaborative design, and design-based research. SSIBL couples inquiry learning and democratic dialogue, as powerful motivators that can engage students with authentic problems in controversial socio-scientific contexts, and encourage them to engage with the ethical dimensions of our individual and collective actions driving innovation. I will conclude with a discussion of lessons learned and explain how they can serve the goal of transforming learning and teaching through inquiry, to prepare students who can engage in productive dialogue regarding ethical dilemmas in modern controversies.

3. JURE coordination of SIG 20

by Bram de Wever & Ingo Kollar (SIG coordinators)

As indicated in our previous communication, there was a recent change regarding the JURE coordination of SIG 20, given that Juliane decided to step down as JURE Coordinator of our SIG. We think that this is a pity, however, we understand her decision and we would like to thank her for all the effort she has done. She was only recently appointed JURE Coordinator, but has been very active and did great work in preparation of our upcoming SIG meeting and for our newsletters. So thank you a lot, Juliane!



Juliane sent us a farewell message which she asked us to forward to the whole SIG:

"Dear Bram, Dear Ingo,

I am really sorry to inform you that I would like to resign as JURE Coordinator. Due to personal reasons I won't be able to continue my work with as much effort as I would like to.

I would like to thank you for working together with me and I wish you and SIG 20 (the best EARLI SIG!) all the best for the future."

In reaction to Juliane's resignation, we asked Yiannis Georgiou (who was our second candidate in the past elections for the JURE Coordinator), if he would be willing to step in. We are very glad that Yiannis expressed his willingness to take over from Juliane, and we also asked you as the SIG members to confirm this change. As we did not receive any objections from SIG members, we would therefore very warmly welcome Yiannis as the new JURE Coordinator of our SIG!

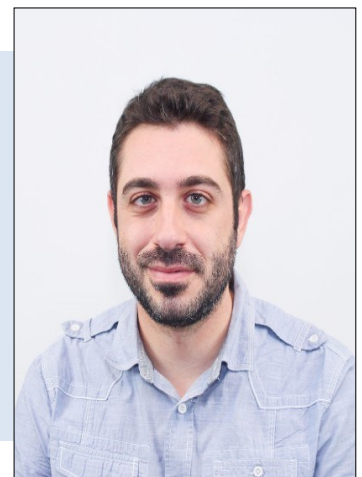
Yiannis is currently a Post-Doctoral Researcher with the Cyprus Interaction Lab of the Department of Multimedia and Graphic Arts, at the Cyprus University of Technology. Overall, he has been working in the area of inquiry learning for the last 7 years, with his research interests focusing on the role of immersion in learning with digital technologies.

Since 2014, he has entered the EARLI and he has served the organization through different positions. In particular, during 2014, he has served as a member of the Local Organizing Committee of the JURE 2014 conference, which took place in Nicosia, Cyprus. During 2015, he has served as one of the two co-chairs of the JURE 2015 conference and as a member of the Local Organizing Committee of the EARLI 2015 conference, which took place in Limassol, Cyprus. He has been also attending the JURE and the EARLI conferences since 2014, while also acting as a reviewer for both conferences.

Yiannis has sent us the following message which he asked us to forward to the whole SIG:

"It is really pity that Juliane has decided to step down as a JURE Coordinator of our SIG. I would like to thank her for all the work that she has done so far but also for trusting me and supporting me in taking up her duties.

From my side, I will do my best for responding to all the duties associated with this position. My overall goal is to contribute to the further development and empowerment of our SIG 20 community!"



4. SIG membership

Please, do not forget to sign up for our SIG when renewing your EARLI membership. It is important for our SIG to have a substantial number of active members, therefore we would like to ask you to sign up for our SIG, so we can grow our community and organize events. SIG memberships only costs 8 EUR. Should you be an EARLI member already, you also can add SIG 20 membership to your EARLI membership afterwards. Go to <https://www.earli-eapril.org/> click 'My Orders' and next click 'New order'. In step 2, you can select SIG 20 membership for 2018 (and also 2019 and 2020)!

5. Call for papers for a special issue

by Christopher Drew & Mark J. W. Lee (Guest Editors in AJET)

The Australasian Journal of Educational Technology (AJET) has just released a Call for Papers for a special issue to be published in early 2019, entitled "Re-Examining Cognitive Tools: New Developments, New Perspectives, and New Opportunities for Educational Technology Research". The special issue seeks to rekindle and re-energise scholarly interest in, and dialogue around, the concept of educational technologies as cognitive tools for learning, with a particular focus on higher education and other post-secondary education contexts. A major goal is to encourage researchers and practitioners to take a fresh look at the concept and its possible applications in light of developments in not only technology, but also learning theory, pedagogy, instructional design, cognitive science, and psychology, that have taken place since the concept was first popularised in the early 1990s.

The guest editors of the special issue are Christopher Drew and Mark J. W. Lee.

While full manuscripts are not due until 1 August 2018, prospective authors are strongly encouraged to make initial contact with the guest editors well ahead of that date (ideally prior to June 2018), providing them with a brief proposal or abstract outlining the nature, content, and aims of the article they intend to submit.

The full Call for Papers is available at <https://goo.gl/7mc7Uh>.

Queries may be directed to ajet.cogtools@gmail.com. However, kindly note that manuscripts are *not* to be sent to this address (see the Call for Papers for submission instructions).

Please feel free to share this information with others who you think might be interested!

Newsletter

March 2018

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