

Version March 14, 2016

Second call for the Joint SIG 20 and SIG 26 meeting
“Inquiry and Argumentation: Education for Thinking”
Ghent, Belgium
22 – 24 August 2016
Conference website: <http://www.earli2016.ugent.be/>



We are pleased to invite you to the 2016 **Joint Meeting** of the EARLI Special Interest Groups **SIG 20 “Inquiry Learning”** and **SIG 26 “Argumentation, Dialogue and Reasoning”**.

The conference will be held **from Monday the 22th to Wednesday the 24th of August 2016** in Ghent, Belgium.

The conference will be hosted by Dr. Annelies Raes and Prof. Dr. Bram De Wever at the Department of Educational Studies, Faculty of Psychology and Educational Sciences, **Ghent University**.

By organizing the SIG meetings together we provide an opportunity to recognize how inquiry and argumentation constitute the pillars of education for thinking. Research has flourished in Inquiry Learning and in Argumentation for Learning. To a large extent, these domains have remained separate. First attempts to study their relations uncover a very rich field of research which is largely unexplored. It raises complex methodological and design issues while practically, students already combine inquiry and argumentation activities. This happens in classrooms in which progressive pedagogies are in place, e.g. in Mathematics and Science education. This combination is enabled and facilitated by technological tools, especially CSCL tools.

The meetings will take place in parallel which means there is a chance to visit each other’s sessions and connect to both SIG 20 and SIG 26 members during coffee and lunch breaks. Moreover, the scientific committees of both SIGs will organize a joint session. Please find below per SIG the specific keynotes, the conference theme and topics, and the submission guidelines.

Important dates

- 27 November 2015: Open for submissions
- 25 March 2016: Submission deadline
- 6 May 2016: Notification of acceptance
- 27 May 2016: Early bird registration deadline
- 29 July 2016: Late registration deadline
- 22-24 August 2016: SIG 20 conference

Conference fees

The table below provides all information on registration fees.

Participant registration fees include:

- Admission to all conference sessions
- Conference materials (final programme, book of abstracts) (issued at the Registration Desk)
- Lunches and coffee breaks
- Welcoming reception

Registration fees	Early registration before May 27	Late registration after May 27
EARLI SIG members	€ 190	€ 230
Non-SIG members	€ 240	€ 290
EARLI JURE members	€ 120	€ 160
non EARLI JURE (Phd) students	€ 170	€ 220

** For students: when submitting your registration form, please provide proof of full time student status (ID card or letter from your institution or programme director) by fax (+32 9 264 86 88) or e-mail (earlisig2026@lists.ugent.be).

More information

For more information regarding the conference of the Joint SIG 20 and SIG 26 meeting "Inquiry and Argumentation: Education for Thinking" in Ghent, Belgium, on 22-24 August 2016, please visit the conference website <http://www.earli2016.ugent.be/>

For program inquiries regarding SIG 20, send an email to earlisig20@lists.ugent.be

For program inquiries regarding SIG 26, send an email to earlisig26@lists.ugent.be

The local organizing committee can be reached through earlisig2026@lists.ugent.be

We are very much looking forward to meet you all in Ghent next summer!
(see: <https://visit.gent.be/>)

Best regards,

SIG 20 coordinators

Bram De Wever
Wouter van Joolingen
Annelies Raes (Jure Assistant coordinator)

SIG 26 coordinators:

Armin Weinberger
Baruch Schwarz
Freydis Vogel (Jure Assistant coordinator)

Any many thanks to our scientific committees:

SIG 20 - Scientific committee

- Marion Crauwels, University of Leuven
- Ton de Jong, University of Twente
- Frank Fischer, University of Munich
- Isabelle Girault, University Joseph Fourier Grenoble

SIG 26 - Scientific committee

- Michael Baker, CNRS – Telecom Paris Tech, France
- Gijsbert Erkens, Utrecht University, The Netherlands
- Michael Ford, University of Pittsburgh, School of

- Janice Gobert, Rutgers University
- Cindy Hmelo-Silver, Indiana University Bloomington
- Ingo Kollar, University of Augsburg
- Eleni Kyza, Cyprus University of Technology
- Ard Lazonder, University of Twente
- Margus Pedaste, University of Tartu
- Frederik Questier, Free University of Brussels
- Tammy Schellens, Ghent University
- Jim Slotta, University of Toronto
- Zacharoula Smyrniou, University of Athens
- Daniel Spikol, Malmö University
- Annette Upmeyer, Humboldt University Berlin
- Lieven Verschaffel, University of Leuven
- Susan Yoon, University of Pennsylvania
- Zacharias Zacharia, University of Cyprus
- Education, USA
- Kallypso Iordanou, University of Central Lancashire - Cyprus
- Selma Leitão, Universidade Federal de Pernambuco, Brasil
- Kristine Lund, French National Centre for Scientific Research, France
- Miika Marttunen, University of Jyväskylä, Finland
- Michael Nussbaum, University of Nevada, Las Vegas, USA
- Jonathan Osborne, Stanford Graduate School of Education, USA
- Anne-Nelly Perret-Clermont, Université de Neuchâtel, Switzerland
- Baruch Schwarz, The Hebrew University of Jerusalem, Israel
- Karsten Stegmann, Ludwig-Maximilians-Universität München, Germany
- Wim Van Dooren, University of Leuven
- Freydis Vogel, Technical University of Munich, School of Education, Germany
- Rupert Wegerif, University of Exeter, UK

EARLI SIG 20 Inquiry Learning

Keynotes:

We are excited to present **Prof. Dr. Jim Slotta**, Department for curriculum, Teaching, and Learning and the Centre for Science, Mathematics, and Technology Education at OISE, University of Toronto and **Prof. Dr. Ard Lazonder**, Department of Instructional Technology, University of Twente as keynote speakers of the conference.

Conference theme and topics :

Inquiry practices include activities that scientists engage in to explore and explain different issues, topics, or problems in different knowledge domains. Natural scientists, for example, aim to explore, explain, and model world phenomena, while social scientists engage in inquiry to examine, interpret, and predict human behavior. Still, the main challenge for research on inquiry learning always seems to come down to the same question, regardless of its domain: *How can we optimize the design and scaffolding of inquiry practices at different levels of education (pre-school, primary, secondary, higher, and adult education)?* On the one hand, earlier work has pointed out that it is equally important to think about how students reason with tools, support and environments, as it is crucial to assess what students exactly learn from inquiry practices. On the other hand, there is an increased attention towards experiences outside the classroom, next to traditional classroom activities, as part of a movement that tries to bridge formal with more informal learning. Therefore, the theme of **“Inquiry in and outside classrooms”** has been put forward for the SIG 2016 meeting.

We encourage submissions regarding to the following topics:

- Inquiry in different domains
- Computer-supported inquiry
- Mobile learning
- The role of the teacher in inquiry
- Motivation in inquiry learning
- Productive failure
- Scaffolding inquiry practices
- Intelligent tutoring and assessment systems
- Metacognition and regulation during inquiry learning
- Game-based learning
- Collaborative inquiry learning
- Knowledge building
- Visualizations and simulations
- Discovery-, project-, and problem-based learning
- Performance assessment of inquiry
- Model-based learning
- Interactions between skill acquisition and learner characteristics

The EARLI SIG 20 welcomes researchers from education, psychology, computer science as well as students, teachers and practitioners.

Submission details for SIG 20:

Please submit your research following the submission formats:

- Paper
- Junior Researcher Mentorship Session*
- Poster
- ICT demonstration

Please submit papers through EasyChair (click on the “submit” button on the upper right corner of the website <http://www.earli2016.ugent.be/>) All submissions should include the following information:

In easychair (please use the form):

- Name(s), affiliation, country, and email address of the authors. Please add a website with contact address for the corresponding author
- Title of the presentation

- Preference for submission format, choose between (SIG20 – paper, SIG20 – poster, SIG20 - ICT demo, or SIG20 - Junior Researcher Mentorship Session)
- Abstract of about 250 words (max 300 words – ca 2000 characters) if you submit for SIG 20

As an attachment (upload this document to easychair – please use the template from <http://www.earli2016.ugent.be/SIG20submission.php>):

- Extended summary of 7500 characters (ca. 1000 words). Please add the title and the (same) abstract as pasted in the easychair abstract field also to this uploaded document. Please **do not add** your name or institution, as reviews will be blind.

* We will organize a special session for doctoral students' and early career researchers in which you get the opportunity to ask for feedback from the audience and senior researchers on your research (design, data analysis, further research questions...). Please explicitly indicate in your proposal the questions you would like to discuss.

All submissions will be reviewed by members of the scientific committee of the conference.

Language note: all submissions should be in English – also all talks and presentations at the SIG meeting will be in English.

EARLI SIG 26 Argumentation, Dialogue and Reasoning

Keynotes:

We are excited to present **Prof. Dr. Keith Weber**, *Rutgers Graduate School of Education* as well as **Prof. Dr. Jerry Andriessen** and **Prof. Dr. Michael Baker**, *CNRS – Telecom Paris Tech* as keynote speakers of the conference.

Conference themes:

The EARLI Special Interest Group 26 on Argumentation, Dialogue, and Reasoning invites submissions for Papers, Symposia, or Posters to the SIG conference that will be held in Ghent, Belgium, on 22-24 August 2016. This is the first conference of the SIG. It will be an occasion to organize our community according to main themes. In the EARLI conference that took place in Limassol in August 2015, many events were directly related to our SIG. The themes that emerged from these events were:

- Learning to argue
- Argumentation in and across domains (Mathematics, History, etc.)
- Argumentation and epistemological beliefs
- Dialogue, reasoning and argumentation in multicultural contexts
- Scripts and scaffolds of argumentation
- Collective reasoning
- Technologies and new forms of argumentation
- Inquiry and argumentation
- Argumentation and transfer

The list of these themes is not exhaustive. It is only a way to encourage our emerging community to come to our first conference and to present new research. This community includes scientists in Education, Psychology, Computer Science, Computer Design, and Linguistics. We aim to continue constituting an interdisciplinary community of researchers.

Submission details for SIG 26:

We invite submissions for

- Argumentation and Learning Papers: 1500 words
- Symposia: 3 x 1500 words + discussant
- Posters: 500 words
- Junior Researcher Mentorship Session: 500 words*

Please submit your research following the submission formats:

- Paper
- Symposium
- Poster
- Junior Researcher Mentorship Session*

Please submit papers through EasyChair (click on the “submit” button on the upper right corner of the website <http://www.earli2016.ugent.be/>) All submissions should include the following information:

In easychair (please use the form):

- Name(s), affiliation, country, and email address of the authors. Please add a website with contact address for the corresponding author
- Title of the presentation
- Preference for submission format, choose between SIG26 – paper, SIG26 – poster, SIG26 – symposium, SIG26 - Junior Researcher Mentorship Session

- Abstract of 150 words if you submit for SIG 26

As an attachment (upload this document to easychair – please use the template from <http://www.earli2016.ugent.be/SIG26submission.php>):

- Extended summary (papers: 1500 words; symposia: 3x1500 words; posters: 500 words). Please add the title and the (same) abstract as pasted in the easychair abstract field also to this uploaded document. Please **do not add** your name or institution, as reviews will be blind.

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