Call for papers
17th Koli Calling International Conference on Computing Education Research
Koli, Finland, 16-19 November 2017

Koli Calling is one of the leading international conferences dedicated to the scholarship of teaching and learning and to education research in the computing disciplines. Koli Calling publishes high quality papers that combine teaching and learning experiences with solid, theoretically anchored research. The conference is held annually at the Sokos Hotel Koli, located in the Koli National Park about 70km north of Joensuu, Finland. The Koli Calling 2017 conference is organised by the University of Eastern Finland, Finland, in collaboration with the University of Warwick, UK.

IMPORTANT DATES

Submission deadline (all categories):	**Friday 04 August** at noon EET (GMT +3h)
Extended submission deadline (see below):	**Friday 11 August** at noon EET (GMT +3h)
Notification of acceptance:	**Friday 08 September** at noon EET (GMT +3h)
Submission of revised manuscripts:	**Friday 22 September** at noon EET (GMT +3h)
Early-bird Registration:	**Friday 08 – Friday 29 September**
Conference registration deadline:	**Friday 13 October** at noon EET (GMT +3h)
Conference:	**Thursday November 16 (evening) to Sunday November 19 (morning)**

Extended submission deadline: we offer a re-submission slack of exactly one week. If a paper is submitted by the 04 August deadline, it will be possible to submit updated versions of the paper until 11 August. **Papers that are not first submitted by 4 August, or that are not reasonably complete at that time, will not be considered.**

Authors please note: The official publication date is the date the proceedings are made available in the ACM Digital Library. This date is expected to be one week prior to the first day of the conference. The official publication date affects the deadline for any patent filings related to published work.

CONFERENCE FORMAT
Koli Calling is a single-track conference with research, practice and systems presentations as well as keynote and invited talks. The conference language is English. The conference is known for its moderate size, intimate atmosphere, and lively discussions. To maintain this reputation, a limited number of submissions will be accepted. Last year about 50 participants attended the conference from 9 countries on 3 continents.

DOCTORAL CONSORTIUM
Koli Calling 2017 will organise a pre-conference doctoral consortium (DC) on computational thinking (CT) from Tuesday 14th November (evening) until Thursday 16th November (evening), led by Professors Matti Tedre and Markku Tukiainen. During the DC participants will have the opportunity to contribute to others' research ideas by providing useful insights, to further develop their own research interests, and to promote their academic community and network under the guidance of established and well-known researchers. *We welcome submissions from participants at any stage of their doctoral studies.*

TOPICS

Original submissions are invited in all areas related to the conference theme and should have an explicit connection to computing education. Topics of interest include, but are not limited to:

- Computing education research: theoretical aspects, methodologies and results;
- Development and use of technology to support education in computing and related sciences, e.g., tools for visualisation or concretisation;
- Teaching and assessment approaches, innovations and best practices;
- Distance, online, blended, and informal learning;
- Learning analytics and educational data mining;
- Computing education in all educational levels, e.g., K12, context and teacher training.

SUBMISSION CATEGORIES

Research papers (up to 10 pages) present high-quality research, broadly categorised as empirical, theoretical or systems papers.

- *Empirical research papers* will include rigorous collection, analysis and interpretation of empirical data, and might discuss, for example, an educational intervention, use of educational technology, a research survey or a qualitative study of a learning situation. These papers are expected to apply a theoretical framework to support the interpretation of the results and to justify the choice of methodology and analysis approaches, at a level of detail that would permit the research to be replicated.
- *Theoretical research papers* focus on deriving a better understanding of the process of teaching/learning computing or of conducting research in computing education. These papers should have a strong discussion of relevant theoretical frameworks, for instance, from the educational, psychological, or sociological research literature, and should develop new insights into learning in the discipline. Theoretical papers will be evaluated mainly on the quality of theoretical discussion and the significance of the contribution.
- *System papers* will present systems or tools developed as a contribution to research or practice in computing education, or perhaps to practice in education more broadly. These papers should describe and present the system or tool, explain the theoretical basis behind it, why it was needed, how it was designed and developed, and present an evaluation of its effectiveness in the context of computing education. Good candidates are tools and systems that are based on previously published research and have already been adopted outside their original context.

Short papers (up to 5 pages) focus on dissemination and discussion of new ideas in computing education practice or research that merit wider awareness and discussion within the community. They can present preliminary results of new educational innovations, present and discuss novel educational technologies, report work-in-progress research (including promising systems or tools that have not yet been evaluated and/or adopted extensively), or raise issues of significance for the development of the discipline, such as long-term strategic needs for computing education and curricula. All short papers are expected to have an appropriate coverage of literature to support the ideas and arguments that they present. Because it lacks some elements of a research paper, a short paper is evaluated mainly by its anticipated impact on discussions during the conference and possible future contribution to the field of computing education.

Poster/demo papers (2-page abstract) are interactive presentations of emerging ideas for research, teaching practice, or tools. Submissions are evaluated based on their originality and possible future contribution to the field of computing education.

SUBMISSION INFORMATION
Please follow the instructions on the conference web page, http://www.kolicalling.fi/.

REVIEW PROCESS AND PUBLICATION
To ensure selection of high quality contributions, submissions for the *Research* and *Short Paper* categories are reviewed by at least *three* members of the international program committee. *Poster* and *Demo* abstracts are reviewed by at least *two* members of the program committee. The Koli Calling program committee takes pride in considering submissions thoroughly and providing constructive feedback. The review process is double-blind, so submitted papers must be properly anonymised.

All papers from the conference will be indexed and available through the ACM Digital Library.

TRAVEL ARRANGEMENTS
Joensuu is easily accessible from Helsinki, either by air (one-hour flight) or by rail (4½-hour journey). Further details about transport arrangements from Joensuu to the conference venue in Koli will be posted on the conference website.

CONFERENCE CHAIRS
Calkin Suero Montero, University of Eastern Finland, Finland
Mike Joy, University of Warwick, UK

PROGRAM COMMITTEE

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Stephen	Edwards	Virginia Tech

MORE INFORMATION

See conference website http://www.kolicalling.fi/ or contact Mike Joy and Calkin Suero Montero at kolicalling2017@easychair.org