Call for papers
15th Koli Calling International Conference on Computing Education Research
Koli, Finland, 19-22 November 2015

Koli Calling is one of the leading international conferences dedicated to the exchange of research and practice relevant to the scholarship of teaching and learning and to education research in the computing disciplines. Koli Calling aims to publish high quality papers that combine teaching and learning experiences with solid, theoretically anchored research. The conference is held annually at the Hotel Koli, about 60km north of Joensuu, Finland. The 2015 conference is organised by the University of Eastern Finland in collaboration with Monash University, Australia, and Aalto University, Finland. In 2015, we will also hold a Doctoral Consortium and a Workshop on "Eye Movements in Programming Education".

IMPORTANT DATES

Submission deadline (all categories):	**Monday 3 August** at noon Finnish time (GMT +2h)
Extended submission deadline (see below):	**Monday 10 August** at noon Finnish time (GMT +2h)
Notification of acceptance:	Monday 7 September
Submission of revised manuscripts:	**Monday 28 September** at noon Finnish time (GMT +2h)
Early Registration deadline:	**Monday 5 October**
Application deadline for DC:	Monday 3 August
Application deadline for Workshop:	Monday 14 September
Doctoral Consortium:	Wednesday (afternoon) – Thursday (early afternoon) November 18 – 19th
Conference:	Thursday November 19 (evening) to Sunday November 22 (lunchtime)
Workshop:	Sunday (afternoon) - Monday, November 22-23

Extended submission deadline: we offer a re-submission slack of exactly one week. If a paper is submitted by the 3 August deadline, it will be possible to submit updated versions of the paper until 10 August. Papers that are not first submitted by 3 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 will 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. In 2014 about 40 participants attended the conference from 10 countries on three continents.

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
+ Educational technology, software, and tools
+ 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 learning, 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, either empirical or theoretical. 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. They 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 (up to 10 pages) will present systems or tools developed as a contribution to research or practice in computing education, or perhaps to practice in education more broadly. An accepted system paper will describe and present the system or tool, and will also describe the theoretical basis behind it, why it was needed, how it was designed and developed, and 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/system 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, System, and Short Paper categories are reviewed by at least three members of the international program committee. Demo and Poster 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 should be anonymised.

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

DOCTORAL CONSORTIUM
Koli Calling 2015 will organize a pre-conference doctoral consortium (DC). During the DC participants will have the opportunity to contribute to others research ideas by providing useful insights, to further develop their own research interest, and to promote their academic community and network under the guidance of a panel of established researchers. We welcome submissions from participants at any stage of their doctoral studies. Time & Place: Wednesday (early afternoon) – Thursday (early afternoon) November 18 – 19th, Aalto University, Helsinki. For more information, please contact Calkin Suero Montero, calkins at uef.fi

WORKSHOP "Eye Movements in Programming Education"
The 3rd international workshop on Eye Movements in Programming (EMIP, http://emipws.org) will be collocated with Koli Calling 2015. In previous years we focused on analyzing eye-movements of experts (2013) and novices (2014) in reading source code. The upcoming event will continue this line of research on understanding programmers' behavior from gaze data. Time & Place: Sunday (afternoon) - Monday, November 22-23 2015, School of Computing, UEF, Joensuu. For more information, please contact Roman Bednarik, roman.bednarik at uef.fi

TRAVEL ARRANGEMENTS
The conference fee includes train tickets from Helsinki to Joensuu and back to Helsinki. Organizers will book the seats/a train carriage for Koli attendees so that we can start those great "Koli discussions" already at the train. More information on exact train timetables will be provided later.

CONFERENCE CHAIRS
Päivi Kinnunen, Aalto University, Finland
Judy Sheard, Monash University, Australia

PROGRAM COMMITTEE

Erik Barendsen	Radboud University Nijmegen & Open University of the Netherlands
Moti Ben-Ari	Weizmann Institute of Science, Israel
Anders Berglund	Uppsala University, Sweden
Daryl D'Souza	RMIT University, Australia
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Matti Tedre   Stockholm University, Sweden
Neena Thota   University of Saint Joseph, Macau

MORE INFORMATION
See conference web site http://www.kolicalling.fi/ or contact Judy Sheard and Päivi Kinnunen at kolicalling2015@easychair.org