



FIRST ANNOUNCEMENT AND CALL FOR PAPERS

LaTiCE 2018: Sixth Learning and Teaching in Computing and Engineering Conference

Auckland University of Technology, City Campus, Auckland New Zealand: Friday 20th April to Sunday 22nd April 2018

The Learning and Teaching in Computing and Engineering Conference (LaTiCE) aims to create a platform for sharing rigorous research and current practices in computing and engineering education. The conference focuses on the unique challenges of learning and teaching computing and engineering in multi-cultural contexts in universities and high schools and on innovative and emergent practices that are informed by pragmatic scholarship.

LaTiCE 2018 is jointly organized by Auckland University of Technology and Eastern Institute of Technology in Auckland New Zealand and the Uppsala Computing Education Research Group (UpCERG), Uppsala University, Sweden. It is technically co-sponsored by the Special Technical Community for Education Research (STC Education), which is an IEEE Computer Society initiative to connect those interested in all forms of educational research and pedagogy in the field of computing and engineering.

The conference includes gatherings for presentations of research papers, practice sharing papers, work in progress papers, group discussions, display of posters, and demos.

MAIN CONFERENCE THEMES

- Computer Science and Engineering Education research
- Secondary School Computer Science
- ICT in Education

CONFERENCE SUB-THEMES

- Computing and engineering education research, theories, and methodologies
- Cultural aspects of computing and engineering education
- Educational technology, software, and tools
- Teaching innovations, best practices, experience sharing in computing and engineering education
- Course module design, proficiency assessment, and module cross-accreditation
- Improving student engagement in computing and engineering
- Collaborative learning in computing and engineering- team and project skills
- "Flipped" classrooms and active learning
- Work-integrated learning and project-based learning

PAPER SUBMISSION

The following kinds of submissions are accepted:

Research papers (6-8 pages) present original, unpublished work relevant to the conference themes. Papers may be theoretical or based on empirical investigations. Papers are evaluated with respect to their theoretical contribution and the quality and relevance of the research.

Practice sharing papers and **work-in-progress papers** (3-5 pages) present original, unpublished practice sharing or work-in-progress work with a focus on innovative and valued practices within specific institutions. They can present preliminary results or raise issues of significance to the discipline.

Posters and demos (2 page abstract) should present innovative ideas for work in the early stages related to research, teaching practice, or tools. Demonstration of tools should stress the methodology and can include some hands-on work for participants.

Conference content will be submitted for inclusion into IEEE Xplore as well as other Abstracting and Indexing (A&I) databases.

Manuscripts should follow the IEEE formatting guidelines and adhere to the page limits for the appropriate submission category. Templates are available at:

http://www.ieee.org/conferences_events/conferences/publishing/templates.html

Submission of papers will be managed through EasyChair, <https://easychair.org/conferences/?conf=latice2018>, a comprehensive conference paper management system.

All papers will be fully refereed using a double blind reviewing process.

Please note that at least one author per paper must register and pay the conference fee in advance for the paper, poster or demo to be presented.

IMPORTANT DATES (In the submitters own time zone)

Full Paper submission (research, practice sharing & work-in-progress): January 29th, 2018

Poster and Demos submission: February 5th, 2018

Notification of acceptance: February 23rd, 2018

Registration opens: February 23rd, 2018

Camera-ready deadline: March 19th, 2018

1st Author registration deadline: March 19th, 2018

LaTiCE conference: April 20th-22nd, 2018

GENERAL CO-CHAIRS

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