

# LaTiCE 2013 LEARNING AND TEACHING IN COMPUTING AND ENGINEERING

## March 21-24, 2013, Macau

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The aim of the Learning and Teaching in Computing and Engineering (LaTiCE) conference is to review and develop current practices and research now being done in computing and engineering education. The conference serves to facilitate introduction for potential partners and themes for future international collaboration and research in the field. The conference will also focus on the unique challenges of learning and teaching computing and engineering in multi-cultural contexts in universities and high schools and emphasize innovative and emergent practices that are informed by pragmatic scholarship.

The conference will include a Doctoral consortium, as well as gatherings for presentations of research papers, practice sharing papers, work in progress papers, group discussions, display of posters, and demos.

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### ORGANISERS:

School of Intelligent Systems and Technology,  
**University of Saint Joseph, Macau.**

Uppsala Computing Education Research Group  
(UpCERG), **Uppsala University,**  
**Uppsala, Sweden.**

### CO-SPONSOR

**STC Education** (IEEE Special Technical  
Community for Education Research).

### IMPORTANT DATES

**Abstract deadline:** Sept.17, 2012

**Abstract acceptance:** Oct. 1, 2012

**Paper and poster/demo deadline:**  
Nov. 19, 2012

**Notification of final acceptance:**  
Jan. 21, 2013

**Start of registration:** Jan. 21, 2013

**Final version deadline:** Feb. 25, 2013

**Doctoral consortium:** Mar. 21, 2013

**LaTiCE conference:** Mar. 22 to 24, 2013

### ORGANIZING COMMITTEE

#### Program Chairs:

Anders Berglund, Uppsala University, Sweden

Neena Thota, University of Saint Joseph, Macau

#### Organizing Chairs:

Joao Garrot, University of Saint Joseph, Macau

Richard Whitfield, University of Saint Joseph,  
Macau

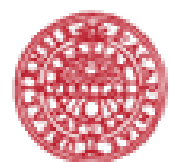
#### Publications Chair:

Arnold Pears, Uppsala University, Sweden

#### Doctoral Consortium Chairs:

Anna Eckerdal, Uppsala University, Sweden

Richard Whitfield, University of Saint Joseph,  
Macau



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 **IEEE** Special Technical Community  
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## CONFERENCE THEMES

- Cross cultural aspects of computing and engineering education.
- Computing and engineering education research, methodologies and results.
- 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.

The conference will include group discussion themes for participants:

- Improving student engagement in computing and engineering.
- Collaborative learning in computing and engineering - team and project skills.
- Course design.
- Cross-regional and cross-level recognition and accreditation of course modules.
- Multi institutional collaborative research in the area of attitudes and perceptions of computing and engineering.
- Graduate careers.
- Methodologies and role of theory in research on computing and engineering education.
- Constitution of LaTiCE network for research collaboration.

## PROGRAM COMMITTEE MEMBERS:

Baharuddin Aris, University Teknologi, Malaysia  
Reyyan Ayfer, Bilkent University, Turkey  
Anders Berglund, Uppsala University, Sweden  
Tony Clear, Auckland University of Technology, New Zealand  
Valentina Dagienė, Vilnius University, Lithuania  
Mats Daniels, Uppsala University, Sweden  
Anna Eckerdal, Uppsala University, Sweden  
Joao Garrot, University of Saint Joseph, Macau  
Yifat Ben-David Kolikant, Hebrew University of Jerusalem, Israel  
Ari Korhonen, Aalto University, Finland  
José Lagarto, Universidade Catolica Portuguesa, Portugal  
Wilfred Lau, University of Hong Kong, Hong Kong  
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Lauri Malmi, Aalto University, Finland  
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Mohamad Shenify, Al Baha University, Saudi Arabia  
Simon, University of Newcastle, Australia  
Erkki Sutinen, University of Eastern Finland, Finland  
Matti Tedre, Stockholm University, Sweden  
Neena Thota, University of Saint Joseph, Macau  
Richard Whitfield, University of Saint Joseph, Macau  
Chen-Chih Wu, National Taiwan Normal University, Taiwan

## GUIDELINES

**Research papers** (8-10 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 sophistication and the quality and relevance of the research.

**Practice sharing papers** (4-6 pages) and **Work-in-progress** papers (4 pages) present original, unpublished 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. Practice sharing papers are mainly evaluated in terms of the scope of the evaluation of the innovation. All papers are evaluated by the potential relevance to other institutions and to their perceived impact on the community.

**Poster/demo** (2 pages 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.

The review process is in two stages: (1) review of abstracts; (2) double-blind peer review of papers based on accepted abstracts.

All papers should follow the IEEE Xplore Conference Publishing formatting guidelines. Templates are available at: [http://www.ieee.org/conferences\\_events/conferences/publishing/templates.html](http://www.ieee.org/conferences_events/conferences/publishing/templates.html)

All authors must register and pay the conference fee in advance for the paper to be presented. No shows would result in the paper being withdrawn and not being included for upload to the IEEE Xplore digital library.

All submissions are uploaded and reviews communicated using the EasyChair review management system: <http://www.easychair.org/conferences/?conf=latice2013>

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**2013**