

IEEE TALE 2015

Special Track on Computing Education

“Challenges and Opportunities in Computing Education”

Sponsor



Co-Chairs

Prof. Sorel Reisman, California State University

Dr. Henry Chan, The Hong Kong Polytechnic University

Overview

Computing is undergoing big changes. Nowadays, computers are not only desktop machines but also lightweight notebooks inside your bags and smart devices inside your pockets. With the popularity of cloud technologies, computing can now be delivered as utility services. Furthermore, computing knowledge is changing so fast that what students learn today will likely become obsolete tomorrow. There are also many emerging technologies and methodologies for computing education. In view of such trends and developments, there is a need to study how computing education should change and innovate, from both curricular and technology perspectives. Under the theme “Challenges and Opportunities in Computing Education”, this special track provides an interactive forum for educators and researchers to exchange views, ideas and experiences on computing education.

You are invited to submit papers for this special track. Paper topics include but are not limited to:

- Curriculum design
- Education model
- Teaching/learning technologies
- Teaching/learning methodologies
- Case studies
- New subjects
- Work-integrated education
- Assessments
- Cloud-based learning
- Mobile learning
- Web-based learning
- Accreditation
- Adaptive learning
- Semantic methodologies

Indexing/Publishing

Like other accepted papers, presented papers will be submitted for uploading to IEEE Xplore (pending approval). Authors of selected papers may be invited to submit revised and expanded papers for potential publication in IEEE or other international journals.

Contact

For enquiries on this special track, please contact Dr. Henry Chan (cshchan@comp.polyu.edu.hk).