



OCCE 2020 - IFIP TC3 Open Conference on Computers in Education

Empowering teaching for digital equity and agency

6th to 8th January, 2020

Tata Institute of Social Sciences, Mumbai, India¹

www.occe2020.tiss.edu

Deadline for submissions: 31st October 2019

We invite you to submit your work to OCCE 2020, which enables you to:

- Take an active role and be involved in discussions to consider concerns and approaches for the future of technology for empowering teaching, training and professional development with ICT
- Share knowledge and ideas about the rapidly emerging practices of Computer Science Education (CSE), and the important role that CSE has in educating creators of the future
- Discuss the importance of ensuring digital equity and access, and how we can achieve this for communities widely
- Demonstrate and illustrate examples of global and mobile opportunities, used for educational purposes in developed and developing countries
- Access latest research and business solutions that have been transformed into educational best practice, where outcomes are recognised and identified
- Offer examples of how inclusive and adaptive technologies have impacted and can impact both society and knowledge
- Participate with strategy and policy experts, from international agencies, national or regional government, research and academia, and educational advice and practice
- Network with world-leading teachers, educators, professionals and technologists
- Be involved in sessions that allow experiences to be shared with others, including leading technology developers, through innovative workshops on learning technologies
- Present your work, research, developments, policy initiatives, and ideas, so that we can all be inspired by leading examples from our wealth of international contributors and speakers

¹ Tata Institute of Social Sciences, V.N. Purav Marg, Eden Gardens, Deonar, Mumbai, Maharashtra 400088



Themes of the conference

Submissions should cover one or more of the key themes within the main topic of the conference - ***'Empowering teaching for digital equity and agency'***:

- Teacher empowerment, training and professional development with ICT
- Computing and computer science education
- Digital equity and agency
- Developing uses of technologies in informal and formal learning situations
- Developing effective teaching practices and pedagogies
- Inclusive technologies, adaptive technologies and accessibility
- ICT interventions and scalability
- Open educational resources (design, evaluation, sharing)

Papers on other relevant themes related to the conference topic are also welcome.

Types of submissions

OCCE 2020 welcomes the following types of submissions:

- **Full papers:** A full paper is a standard academic research paper of, at most, 10 pages including references.
- **Short papers:** A short paper, up to 5 pages long including references, is an academic paper, position paper, case study, policy paper or a national perspective.
- **Industry foresights:** Companies and developers outline their state-of-the-art technologies, seeking discussion and comment to support their ongoing development. Participants should submit a short description (maximum 2 pages) or a short paper (up to 5 pages long).
- **Symposia:** A symposium is a collection of related papers on a central theme of the conference. Proposals for symposia outline the theme, the participants, and include a one-page abstract of each paper. At a stated time, symposium papers will be submitted as long or short papers, but to be involved in the conference there is no requirement to do this.
- **System presentations:** Ongoing hardware and software project developments relating to the conference theme may be presented and discussed during the conference. A short description (maximum 2 pages) of an exhibit should be submitted.



- **Learner and teacher presentations:** A submission of a presentation by students and their teachers, demonstrating uses, learning activities and learning outcomes of Computer Science Education and using CS and ICT are encouraged. A presentation submission should be up to 2 pages in length. Such sessions will allow sharing with all stakeholder communities attending. As the conference will focus on themes and topics that are pertinent to school managers, local managers, teachers and advisers, attendance at selected sessions from across all themes will be highlighted by suggested pathways where possible. These sessions will be particularly useful for practitioners involved in project-based activities.
- **National direction sessions:** One or more national direction sessions, each focusing on a country, can be led by a national representative. With two (or even perhaps more) of these sessions in the conference, comparisons and hot topics can be considered and discussed. A national direction session should aim to run for a maximum of one to one and a half hours:
 - With a national overview from a national representative, up to 5 pages in length.
 - A policy, practice or research element aligning to the interests of a conference theme, perhaps on compulsory education, or vocational education, up to 5 pages in length.
 - A second policy, practice or research element aligning to the interests of another conference theme, perhaps on research or educational management, up to 5 pages in length.
- **Panel and audience response sessions:** Chairs of these panels should submit an abstract (up to 2 pages in length) for a panel of up to three identified speakers who will briefly present their views on a pertinent topic. The audience will be invited to participate in a round-table discussion, using audience response systems to record levels of responses from those participating.

Submissions

The conference website will provide up-to-date details about submissions. Please note that all submissions must adhere to the formatting style stated both on the conference website, and on the conference management system.



You can submit in one of two formats:

- **A full or short paper**, as described above (up to 10 pages for a full paper, or up to 5 pages for a short paper).
- **An extended abstract**, of 750-1,000 words, or 2-3 pages in length. This extended abstract should be submitted for an industry foresight, a symposium, system presentation, learner or teacher presentation, national direction session, or panel and audience response session.

If you submit a full or short paper, the reviewers will assess whether the submission is worthy of inclusion within the conference. If the paper is accepted, and only requires minor revision, then it will be judged worthy of being accepted in a post-conference publication. If the paper is accepted, but requires major revision, then following revision, a further review process will be undertaken in order to assess whether it can be accepted for any post-conference publication.

If you submit an abstract, the reviewers will assess whether the submission is worthy of inclusion within the conference. No assessment will be given to indicate whether the submission should be judged worthy of inclusion in any post-conference publications. Review and assessment for publication will be a matter of review following the Conference. More details on this will be provided in due course.

Reviews

FULL AND SHORT RESEARCH PAPERS

EACH PAPER WILL BE REVIEWED ACCORDING TO THE FOLLOWING CRITERIA:

- **Presentation:** This criterion is used to evaluate how well organised and formulated the paper is. It thus addresses both the general paper structure and language use, but also the “logical flow” between sections.
- **Originality:** Here reviewers grade the paper on how original (new) the presented idea or work is. Thus, this criterion measures the “novelty” of the contribution.
- **Soundness:** Is the paper technically sound, that is, does it include evidence for all statements or conclusions that it makes? Does it appropriately build on and acknowledge previous work in the area? Thus, this criterion measures the “state of the art”.
- **Contribution:** Does the idea or work presented in the paper show potential to contribute to the conference?



INDUSTRY FORESIGHTS, SYMPOSIA, SYSTEM PRESENTATIONS, LEARNER AND TEACHER PRESENTATIONS, NATIONAL DIRECTION SESSIONS, AND PANEL AND AUDIENCE RESPONSE SESSION ABSTRACTS

EACH PAPER WILL BE REVIEWED ACCORDING TO THE FOLLOWING CRITERIA:

- Presentation: This criterion is used to evaluate how well organised and formulated the paper is. It thus addresses both the general paper structure and language use, but also the “logical flow” between sections.
- Contribution: Does the idea or work presented in the paper show potential to contribute to the conference?
- Potential influence: This criterion measures the potential influence of the contribution in the field of praxis and the related analysis of state of the art in this area.

Submitting papers and abstracts to the conference

Please prepare your contributions, and register your interest on the website: www.occe2020.tiss.edu. Details of submission can be found by following the submission link.

Publication

Abstracts of full or short papers accepted for presentation, together with industry foresights, symposia abstracts, system presentations, learner and teacher presentations, national direction session papers, and panel and audience response session abstracts will be published online as conference proceedings.

A selected collection of full, short and symposia papers will be published as a post-conference book. Where reviewers indicate a contribution can be presented and published in the post-conference book, then the author(s) will have the opportunity to revise the paper post-conference.

A range of high quality papers may be selected for inclusion in a specific edition of an international journal. The author(s) can decide whether the paper will go into the post-conference book (as it stands) and into the special edition (as an amended article), or only into the special issue (as it stands). Any paper included in the post-conference book and in a special issue of the journal will require either extensions or revisions for the special issue (with a different title, and at least 30% different material).



Financial Support for Doctoral Students

IFIP TC3 is keen to involve doctoral student participants from countries worldwide, especially from developing countries. Those coming from a developing country who would like to be involved by presenting a paper, but who do not have funds to cover travel costs, should make early contact (by 31st October 2019) to explore possible sponsorship.

Participants who wish to explore this option are strongly advised to plan to obtain a VISA, as this is required for travel to India for conference purposes, and to find out how to apply for this in time to both travel and attend the conference. Invitation letters will be required, these will be handled by the conference organisers only after a participant registers, and will only be issued after registration is complete. So please leave enough time for the organisers to handle your registration and participation.

Please see further details and register on the website: www.occe2020.tiss.edu