***Call for Papers, Presentations and Other Contributions ***

Deadline for submissions: 31st March 2021

We invite you to submit your work to the IFIP TC3 Conference OCCE 2021 DTEL, "Digital Transformation of Education and Learning - Past, Present and Future". This hybrid (virtual and onsite) conference enables you to:

- Take an active role and be involved in discussions to consider approaches for the future of technology for empowering learning, teaching, training and professional development with digital technologies.

- Share knowledge and ideas about the rapidly emerging practices of Computer Science Education (CSE).

- Discuss the importance of ensuring digital equity and e-inclusion and how we can achieve this for communities globally.

- Demonstrate and illustrate examples of 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 impact both society and knowledge.

- Network with world-leading teachers, educators, professionals and technologists as well as with strategy and policy experts.

- 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.

Themes of the conference

Submissions should cover one or more of the key themes within the focus of the conference - **"Digital Transformation of Education and Learning - Past, Present and Future".** The conference celebrates six decades of IFIP and five decades of the TC3 Working Group (WG) 3.4 for Professional, Higher and Vocational Education in ICT, and aims to look at the continuous development and future outlook of the field, and the role of IFIP in connecting professionals from academia, businesses, and policy.

The focus of OCCE 2021 provides an overarching framework through which a range of more specific conference themes can be viewed. These are proposed, with examples of specific topics that would fall within these themes, below.

OCCE 2021 provides a forum for new research results, practical experiences, developments, ideas, and national perspectives, related to the conference focus for all levels of education (preschool, primary, secondary, higher, vocational, and lifelong learning) including the professional development of educators (teachers, trainers and academic and support staff at other educational institutions) and related questions on educational management. The themes are grouped by broad categories with examples of possible sub-themes.

Digital education in schools, universities, and other educational institutions
Developing effective and creative teaching practices, past and new directions for integrating technologies; assessment, evaluation, certification of digital education; supporting educators' empowerment, training and professional development; implementing e-inclusion in educational institutions; positively supporting sustainable development and learning; models for digital education

National policies and plans for digital competence
Analysis of national cases; comparisons of different development paths and policies in different countries; curricula development in the past and future directions

Learning with digital technologies
Innovative learning environments integrating technologies; recent phenomena in education (e.g. MOOCs, mobile applications, virtual and distance laboratories) and their future prospects; technologies supporting new forms of collaboration and practice as well as new roles for students and teachers; developing uses of technologies in informal learning situations and connecting them with formal contexts

Learning about digital technologies and computing
Exploring computational thinking; computing and computer science education; programming languages for education; digital media for learning about digital technologies and computing; data science education and data scientist certification; socio-cultural aspects of digitisation and current upheavals of practices

Submissions

OCCE 2021 provides a forum for policy makers, practitioners and researchers. OCCE 2021 welcomes the following types of submissions, that are relevant to the conference focus and the conference themes. The indicated maximum number of pages assumes formatting according to the Springer formatting style (https://bit.ly/3bdlGIE) and the page lengths include all sections.

I. Research-oriented submission formats
Research-oriented submissions (full and short papers) will be reviewed for presentation at the conference and inclusion in the post-conference book (see details below).

Full papers (up to 12 pages) are standard academic research papers that describe:

- high-quality, unpublished, original research work and results (which can be either empirical or theoretical),
- national perspectives, policy directions, or new ideas for practice,
- unpublished work on original projects with an emphasis on practical experiences, e.g. evaluating a teaching concept or a curricular initiative. Reports in this category need to reflect on the findings and their relevance to the field.

Short papers (up to 6 pages) are shorter research papers in academic format, which can focus on the same topics as full papers and which present work in progress.

II. Presentation-oriented submission formats (abstracts, up to 2 pages)
Presentation-oriented submissions (abstracts) will be evaluated for presentation at the conference only. An exception are papers arising from symposia (see below), which can be reviewed after the conference for publication in the post-conference book.

Demonstration abstracts: present emerging ideas for future research, teaching practice, or use of tools.

Workshop abstracts: in workshops, innovative projects, teaching concepts, technologies or open problems are demonstrated and explored. Workshops comprise a short presentation followed by an interactive session with the audience. Proposals for workshops consist of an outline of the subject to be discussed, along with planned activities, any specific infrastructure needed, time frame, and maximum number of participants.

Symposia (up to 2 pages for the symposium description plus 1 page for each presentation): a symposium is a collection of related presentations on a central theme of the conference. The organiser(s) of a symposium should submit an outline of the theme, the list of participants, and include a one-page abstract of each presentation. Papers arising from the accepted symposium presentations can be reviewed after the conference for inclusion in the post-conference book.

https://www.ifip-tc3.org/

Important dates:

Paper submission: March 31, 2021
Acceptance notification: May 31, 2021
Conference: August 17-20, 2021
Paper resubmission: October 15, 2021