



IFIP TC 3 – Open Conference on Computers in Education



OCCE 2024 – IFIP TC3 Open Conference on Computers in Education

Digitally Transformed Education: Are We There Yet?

February 27th to March 1st 2024



Location: **Bournemouth, UK**

Website: www.bournemouth.ac.uk/occe-2024

Call for Papers, Presentations and Other Contributions

Deadline for submissions: 15th September 2023 (anywhere on earth)

The conference will aim to explore the impact of technology across a range of user experiences including those of students, staff and management. This will provide for an interesting creative tension during the conference.

OCCE 2024 provides a forum for new research results, practical experiences, developments, ideas, and national perspectives, related to the conference focus and the themes listed below 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.

We invite you to submit your work to OCCE 2024, 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 learning, teaching, training and professional development with digital technologies in the different cultures and parts of the world.
- 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.
- Access latest research and business solutions that have been transformed into educational best practice, where outcomes are recognised and identified.
- Network with world-leading teachers, educators, professionals and technologists as well as with strategy and policy experts.

Themes of the conference

Submissions should cover one or more of the key themes within the focus of the conference - “Digitally Transformed Education: Are We There Yet?” as a continuation from the IFIP TC3 OCCE 2021 DTEL Tampere, Finland 2021 conference theme “Digital transformation of educational and learning – past, present and future”. The conference will focus on the contribution and potential of digitalisation and digital transformation in school, vocational, professional and higher education or lifelong learning. There were several digitalisation efforts noted at the Tampere conference, but the question is, are we there yet? Has digital transformation been realised in education? If not, what are we missing? If yes, what are the best practices, success stories and lessons generated from the experience.

The themes are grouped by broad categories with examples of possible – but not exhaustive – sub-themes.

➤ **Digital education in schools, universities, and other educational institutions:**

Examples of topics that can be presented under this theme could be:

- ✓ Supporting the development of creativity in innovative institutions;
- ✓ Developing effective and creative teaching practices and pedagogies integrating emerging 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:**

Examples of topics that can be presented under this theme could be:

- ✓ Analysis of national cases;
- ✓ Comparisons of different plans and policies in different countries;
- ✓ Curricula development.

➤ **Learning with digital technologies**

Examples of topics that can be presented under this theme could be:

- ✓ Innovative learning environments integrating technologies; recent phenomena in education (e.g. MOOCs, virtual and distance laboratories, haptic technologies, etc.);
- ✓ 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**

Examples of topics that can be presented under this theme could be:

- ✓ 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;
- ✓ Physical computing; socio-cultural aspects of digitisation; media structures in digital media.

- **Digital technologies in education: use, ethics and security**
 - ✓ Artificial intelligence and smart systems use in education, e.g., ChatGPT;
 - ✓ Cybersecurity issues in education;
 - ✓ Ethical issues of digital technologies in education;
 - ✓ Automated assessment using generative AI like ChatGPT.
- **Digital technology for Inclusion or Sustainability**
 - ✓ Exploring emerging technologies providing more access for people with special needs;
 - ✓ Issues for sustainability for education using technologies;
 - ✓ ICT education policy in emerging countries;
 - ✓ ICT use for education where F2F classes are not possible (war, restriction, pandemic, etc.)

Submissions

OCCE 2024 provides a forum for policy makers, practitioners and researchers. This open scientific event 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/3bdIGIE>) and the page lengths include all sections from the submission title to the references, acknowledgments, etc.

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**

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),
- systematic literature reviews presenting novel arguments, syntheses, theoretical analyses, or the proposition of an original model, framework or theory,
- 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**

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/poster 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.
- Panel session abstracts: the intended chair of a panel should submit an abstract with the indication of 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.
- National session abstracts: a national overview from a national representative or representative group on a policy, practice or research topic.
- 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.

For up-to-date details about submissions and for submitting contributions, please go to the OCCE 2024 website, coming soon.

Publication

Post-conference publication is anticipated through a post-conference book (planned to be published by Springer in the AICT series).

Full papers, short papers, and papers arising from an academic presentation in accepted symposia will be considered for publication in the post-conference book, according to the following criteria:

If you submit a full paper, the reviewers will assess initially whether the submission is worthy of inclusion within the conference. If the paper is accepted for presentation, and only requires minor revision, then it will be judged worthy of being accepted for publication in the post-conference book.

If you submit a full paper that is accepted for presentation, but requires major revision, a further review process is undertaken following the conference in order to assess whether it can be accepted for publication in the post-conference book.

If you submit a short paper, the reviewers will assess initially whether the submission is worthy of inclusion within the conference, but acceptance for publication in the post-conference book will be decided following the conference. Acceptance of a short paper for publication will depend on the number of short papers that can be accepted for the post-conference book.

If you submit a full or short paper following an academic presentation in one of the accepted symposia, the reviewers will assess after the conference whether the submission is worthy of inclusion in the post-conference book.

If you submit an abstract, the reviewers will assess whether the submission is worthy of presentation within the conference. No assessment will be given to indicate whether the submission should be



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judged worthy of inclusion in any post-conference publication (with the exception of papers arising from symposia, as noted above).

Abstracts of all accepted submissions will be published online as part of the conference programme.

Key dates

- **Submission deadline: 15th September 2023**
- **Notification of review results: 8th November 2023**
- **Conference date: 27th-29th February 2024**
- **Submission of revised papers: 30th April 2024**

Financial Support for Doctoral Students from Developing Countries

IFIP TC3 is keen to involve doctoral student and early career researcher 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 with the IFIP TC3 chair Don Passey (d.passey@lancaster.ac.uk) **by 15th November 2023** to explore possible support.