TECHNOLOGY-ENHANCED LEARNING FOR FUTURE CITIZENS

Empowering Sustainable Digital Competences of 2030 Citizens

A Workshop of mis4TEL

https://www.mis4tel-conference.net/tracks/workshops/tel4fc

"Why is my Personal Assistant suggesting this to me?" "Who/what is driving my car?" "Where is the software I am using?", "What do the data show?" "Who owns my photos?", "How can I participate and contribute to the government decisions?". These are only a few of the questions that the newcomer citizens from 2030 and after will face during their lifetime.

The way in which Technology-Enhanced Learning research can contribute to the development of a mature and technologically aware citizenship is the main objective of this workshop. In fact, as the development of digital and audiovisual tools has profoundly changed the Knowledge Society, the institutions and the schools are faced with the challenge to carry students to a digital citizenship and to a society more and more based on data, information and digital processes. This scenario requires strong abilities to search, select, utilize information, recognition of fake news, individuation of automated systems, etc., in short, knowing well the "the good, the bad and the ugly" of our current and future technological society.

Scope

This workshop aims to address the educational needs and technological awareness of the future citizens, i.e. the youth in the age range 6-18 that will experience their citizenship in a rapidly evolving Knowledge Society. People are boosting participation in democracy through the digital architectures and the physical interaction to devices. Humans are sharing and collaborating throughout platforms, networks, interactive ecosystems using different intelligences. We are now immersed in very complex networks, social and technological at the same time, and the idea of our citizenship is getting harder to comprehend and define. And the skyrocketing technological push will make the challenges that will be facing our children even harder than the ones many of us, adults today, had to face.

Artificial Intelligence, Machine Learning, Data Science, Social Networks, Cloud Computing, are only some of the crucial technological challenges, already permeating our world at any level and in many fields. But also Media Literacy, Ethics, Sociology, and History are substantial fields that shape the comprehension and the behavior of a citizen, when engaged in a technologically connected and globalized world.

So, their integration in a Technology-enhanced educational framework could represent an opportunity of increasing the citizens' digital awareness and gradually setting up a transversal mindset, both ecological and sustainable for all learners: the future of our society depends on an engaged, informed, and critically-thinking population.

The workshop is meant to connect researchers, educators and technologists involved in different and diverse areas, such as education, digital government, pedagogy, social and collaborative systems, cultural heritage, ethics, to promote interdisciplinary research around the citizenship and the role of Technology-Enhanced Learning (TEL) in shaping the future of our society, through the construction of future citizens that are aware of potentials and risks.

Topics

The workshop stimulates the submission of papers, of methodological, empirical or technological nature, about Technology-Enhanced Learning systems for the education of future citizens, including, but not limited to, the following fields:

- Computational Thinking and Creative Coding
- Data Science (Open Data, Knowledge Graphs, Data visualization, Data exploitation)
- Media literacy and Social Learning
- Artificial Intelligence and Machine Learning
- Cultural Heritage
- Ethics, Privacy, and (Cyber-)security
- Social Networks
- Cloud Computing
- Virtual Reality
- Interaction with Vocal Assistants and Bots
- Smart city and autonomous vehicles
- Complex Systems and Logic
- Digital Government and Digital Participation
- Social Science

Program Committee

- **Maria Angela Pellegrino, Università degli Studi di Salerno (Italy) (chair)**
- **Vittorio Scarano, Università degli Studi di Salerno (Italy) (program chair)**
- **Agnese Addone, Università degli Studi di Salerno (Italy) (publicity chair)**
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- **Pietro Boccadoro, Politecnico di Bari (Italy)**
- **Serena Cangiano, SUPSI (Switzerland)**
- **Françoise Détienne, Centre National de la Recherche Scientifique (France)**
- **Karina Rodriguez Echavarria, University of Brighton (United Kingdom)**
- **Rosella Gennari, University of Bozen (Italy)**
- **Lorenzo Guasti, INDIRE (Italy)**
- **Beatrice Ligorio, Università degli Studi di Bari (Italy)**
- **Alessandra Melonio, University of Venice (Italy)**
- **Tiziana Metitieri, AOU IRCCS Meyer Florence and IUL University (Italy)**
- **Sébastien Nedjar, University of Aix-Marseille (France)**
- **Luca Tateo, University of Oslo (Norway)**

Submission Information

Published proceedings

Accepted papers will be published by Springer Verlag in the Lecture Notes in Networks and Systems.

Please, remember that for the accepted version of your paper you must fill out and sign the Consent to Publish and send it back.

** Indexing: The books of this series are submitted to DBLP, INSPEC, Norwegian Register for Scientific Journals and Series, SCImago, SCOPUS, WTI Frankfurt eG, zbMATH, Google Scholar, Springerlink. **

At least one of the authors will be required to register and attend MIS4TEL 2023 to present the paper in order to have it included in the conference proceedings.

Format

Workshop contributions should be either full papers (10 pages) or short papers (4-6 pages), including figures and references:

- Microsoft Word Format
- Microsoft Word 2003 Format
- LaTeX Format
- Overleaf template

Submission

All proposed papers must be submitted in electronic form (PDF format) using the MIS4TEL conference management system. MIS4TEL papers must be formatted according to the Springer LNNS Template, including figures and references.

Review process

MIS4TEL welcomes the submission of application papers with preference to the topics listed in the call for papers. All submitted papers will undergo a thorough review process; each paper will be refereed by at least three experts in the field based on relevance, originality, significance, quality and clarity.
The papers must consist of **original**, **relevant** and **previously unpublished** sound research results related to any of the topics of the workshop.

Dates:

- TEL4FC papers submission deadline…… **March 24th, 2023**
- TEL4FC papers notification of acceptance:..... **May 3rd, 2023**
- TEL4FC camera-ready papers: ……..**May 19th, 2023**
- Conference Celebration: ……**July 12th-14th, 2023**

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Workshops site at MIS4TEL: https://www.mis4tel-conference.net/tracks/workshops/tel4fc
Submissions at EasyChair: https://easychair.org/conferences/?conf=mis4tel2023