



15th Advanced Doctoral Conference on Computing, Electrical and Industrial Systems

Caparica, Portugal – 3-5 July 2024

Technological Innovation for Human-Centric Systems

Special Session on Interplay between Human and Technology

Scope

The dynamic interplay between humans and technology stands as a catalyst for societal progress and innovation. This symbiotic collaboration represents more than the coexistence of two entities; it is a fusion of human ingenuity and technological capabilities, creating a powerful synergy that addresses complex challenges and propels us toward a more connected and advanced future. At its core, this collaboration is a hub of innovation, where human learning and creativity intertwines with technological tools to develop novel solutions. The amalgamation of human learning and problem-solving capacities with technological advancements fosters a culture of continuous improvement and propels us into uncharted territories of progress.

Furthermore, this interplay enhances efficiency and productivity by automating routine tasks and swiftly processing vast amounts of data. This collaboration not only streamlines workflows but also redefines how industries operate, ushering in an era where the potential for accomplishment is amplified through the seamless integration of human capabilities and technological development.

In addition to driving economic growth and job creation, the interplay promotes inclusivity, empowers individuals, and advances fields like healthcare and education. Whether it's breaking down barriers for marginalized communities or revolutionizing patient care through technological advancements, the collaborative efforts between humans and technology contribute to a more interconnected, efficient, and innovative world. As we navigate the complexities of the future, the interplay between humans and technology remains a cornerstone for unlocking new possibilities. This collaboration is not merely a partnership but a dynamic force that shapes our collective journey, offering a glimpse into a future where the unparalleled potential of human capabilities is complemented by the transformative power of technology.

Session organizers

- Prof. Maria Gustavsson (Linköping University, Sweden)
- Dr. Sanaz Nikghadam (UNINOVA, Portugal)
- Dr. Eda Marchetti (CNR, Italy)

Topics / Keywords

- Social science and Humanities Impact on Technological Innovation and Vice Versa.
- Human-Machine Collaboration in Various Sectors
- Emerging Technologies: Shifting from Thinking Economy to Feeling Economy
- Emerging Technologies: Emerging Skills and Learning
- Block Chain for Good: Ethical and Human-Valued Based Supply Chain Solutions
- AI Empowered Cultural and Creative Industries
- Beyond Society 5.0 and Industry 5.0
- Societal transformations and Technological Transformation
- Designing for All: The Inclusive Future of Technology
- Emotional Connections: Nurturing Humanity in Technology Interfaces

- Privacy, Trust, Safety, and Security: Navigating the Technology Landscape
- Global Perspectives: Cultural Influences in Tech Design
- Collaborating and Deciding Together: Human-Tech Partnerships in Action
- Learning and Innovation Unleashed: Human-Tech Collaboration in Creativity
- Extended Reality, Society, Humanity
- Human-centric development and deployment
- Personalized and Participatory Solutions and Innovations

Submission procedure

Special sessions are included in the main Conference and follow the same reviewing process.

- Short abstracts submission (100-150 words): 2 Feb 2024
- Full papers submission: 1 Mar 2024
- Acceptance Notice: 15 Apr 2024
- Final version Submission: 26 Apr 2024

Acceptance of papers is based on the full paper (up to 12 pages). Each paper will be evaluated by three members of the International Program Committee. Being DoCEIS a doctoral conference, the first author of each paper must be a PhD student.

When submitting on the web site, you should indicate the name of the special session. Submission procedure via Easychair available on: <https://doceis.dee.fct.unl.pt/>, with copy by email to the chairs of the special session.