



SOCIETY 5.0

Conference

First Call for papers

Society 5.0 2023

Human centeredness in a cyber-physical society

3rd Conference - 5th to 7th June 2023

Venue: Conference Centre Future Africa, University of Pretoria, South Africa

Following an era of fast-paced evolution of digital technologies, digital disruption and digital transformation, Society 5.0 refers to “A human-centered society that balances economic advancement with the resolution of social problems by a system that highly integrates cyberspace and physical space”. As Society 5.0 aims to tackle social challenges and achieve a sustainable, inclusive, people-oriented society, it also contributes to the UN’s Sustainable Development Goals. Society 5.0 advocates the adoption of digital technologies to increase global prosperity. The cyber-physical space consists of interconnected systems and devices, collecting and sending data. A human-centred society demands the inclusion of the human when considering applications and interactions in the cyber-physical space. This special issue focuses on aspects of interconnectedness and interaction – where the human in this potentially complex interaction is investigated and considered through the application of different lenses and interdisciplinary fields. The aim of this enquiry is to design and develop technological products and services that not only meet human needs, but that also consider the human experience when engaging in the cyber-physical space and that contribute to the Sustainable Development Goals.

All research submissions will go through a double-blind review process conducted by an international review panel. Your submission will be assessed anonymously by at least two reviewers and managed by the track chairs and program committee. Practice track submissions will be handled by the conference chairs.

The accepted full research papers will be included in a volume of EPiC Computing as the Society 5.0 proceedings – see <https://easychair.org/publications/EPiC/Computing>. The Society 5.0 2022 proceedings are available at https://easychair.org/publications/volume/Society_5.0-2022.

We look forward to receiving your full papers documenting original research aligned with the Society 5.0 themes in the research track, or practice submissions for the practice track. Submissions should not be submitted or published elsewhere, should adhere to the EPiC format and not exceed 12 pages. Instructions for EPiC authors are available at https://easychair.org/publications/for_authors.

The Society 5.0 conference include a research and a practice track.

Research track

The research track solicit submissions documenting original research covering themes across all Society 5.0 research fields:

Society 5.0

- Society 5.0 research agenda
- Society 5.0 challenges and opportunities
- Human-centred society
- Drivers and enablers for transformation
- Human skills in Society 5.0
- New Leadership

Business Information Systems

- Cyber-Physical Systems
- Internet of Things
- Digital Twins
- Digitalization of Business Processes
- Conceptual Modelling

Business & Entrepreneurship

- Business integration strategy
- Digitalization of Products
- Emerging markets
- Human capital
- Business agility
- Digital transformation
- Circular economy

Diversity

- Gendering of skills
- Stereotypes (age, gender, (dis)abilities)
- Accessibility of technologies across borders (countries, societal levels, disciplines)
- Inequality in software development
- Democratization in technological development

Education

- Collaborative Online International Learning (COIL)
- Creative teaching
- Cross-cultural teaching and learning
- Institutional structures for education
- New learning methods

Innovation in the Digital Age

- Open innovation
- Big Data analysis

- Innovation development
- Online collaboration for design and in-novation
- Knowledge visualization

Healthcare and Care Systems

- AI for drug development
- Personalized medicine
- Electronic patient records
- Care robots, therapy robots

Information Security

- Cyber security and resilience
- Data privacy
- Risk management
- Business continuity management
- Whistleblowing

Mobility

- Autonomous driving
- Mobility as a Service
- Smart City

Human-System Interaction Scenarios

- Collaboration between human and AI
- Automating knowledge work
- Conversational AI
- Resilient socio-technical systems
- Social robots
- Human-interpretable and machine-interpretable modelling

Fintech

- Future banking
- Sustainable finance
- Digital financial management
- Cryptocurrency

International Collaboration

- Cultural differences in business
- Cross-cultural communication and trust
- Collaboration across borders, cultures, and languages
- Digital Supply Chain

Practice track

The Practice Track of the Society 5.0 conference provides an opportunity to share a practical experience through a paper and an accompanying talk. Submissions can be Practice Reports or Case Descriptions. A Practice Report is a reflection of industry experiences including challenges seen, approaches taken – and what worked or didn't. Cases describe problems or challenges of

organizations (private or public), relate them to the wider domain of Society 5.0, and provide useful insights to practitioners and scholars. Submissions to the Practice Track will be peer-reviewed.

Society 5.0 2023 Important Dates:

- Deadline for Full ABSTRACT submissions: 13 February 2023
 - *Abstract submissions are not compulsory, however we want to strongly encourage you to submit an abstract so that the paper bidding process can commence.*
- Deadline for Full paper submissions - 20 February 2023
 - *Please note that Society 5.0 is not a abstract conference and we require a full submission for the review process.*
- Notification of paper acceptances: 17 March 2023
- Camera-ready paper submissions: 27 March 2023
- Society 5.0 2023 Conference: 5th to 7th June 2023

For more information, please visit the Society 5.0 website at <https://www.conference-society5.org/home>.