

🌐 Croatia 📅 June 25-27, 2025

CONFERENCE WEBSITE: <http://hcis-25.kesinternational.org/dates.php>

| About the Conference

Call for Papers - HCIS 2025

HCIS 2025: 18th International Conference on
Human Centred Intelligent Systems

25-27 June, 2025 | Solin, Croatia

<http://hcis-25.kesinternational.org/>

Part of KES Smart Digital Futures conference which
groups AMSTA-25, IDT-25, HCIS-25, InMed-25,
SEEL-25 and STS-25 in one venue.

<http://sdf-25.kesinternational.org/>

Aim

KES-HCIS-25 is an international scientific
symposium for research in the fields of human
center intelligent systems. The aim of the
conference is to provide an internationally
respected forum for scientific research in the
technologies and applications of human center
intelligent systems.

Important Dates

JUN
25

CONFERENCE
DATE
**June 25-27,
2025**

Human-centered intelligent systems (HCIS) are **information systems** applying **Artificial Intelligence** in order to support humans and to interact with people. At the forefront of the human-centered intelligent systems, assistant systems have emerged as prime examples. These systems, such as voice-oriented platforms like Alexa and Siri, as well as text-oriented platforms like ChatGPT and Bard, have revolutionized the way we interact with technology. They have proven to be invaluable tools, capable of handling complex tasks without demanding specialized domain expertise, drawing significant attention due to the remarkable strides in generative **artificial intelligence**.

However, the true essence of human-centered intelligent systems goes beyond mere convenience and utility. The human element plays a pivotal role in various aspects of these systems. From optimizing knowledge representations and developing **algorithms** to collecting and labeling data and deciding what to model in the first place, humans are indispensable in shaping and guiding the capabilities of intelligent systems.

Dates, Conference and Publication

- Submission Deadline: 5 February 2025
- Acceptance Notification: 4 March 2025
- Camera Ready Submission: 25 March 2025
- Presentation at Conference: 25-27 June 2025

- Publication: Springer; Series on Smart Innovation, Systems and Technologies

Scope

We invite research- and practice-based contributions to the Human-Centered Intelligent Systems (HCIS) conference, which is collocated under the umbrella of KES Smart Digital Futures. The conference will have a general track and will also include a set of specialized invited sessions or workshops. We are also calling for organizers of invited sessions or workshops who would like to address special related subjects.

The following topics define the conference scope, although other associated subjects may be applicable:

1. Cognition

Artificial Intelligence and Cognition

Smart Interpretation of Images, Numbers, Texts, Voices, Dialogs, Sensors, Actors, Information, Signals, Events

Cognitive Computing and the Internet of Things

Human and User Modeling

User, Context, Cognitive, and Learning Models

Knowledge Technologies and **semantic web**

Knowledge Modeling, Representation, Reasoning and Inference

Transparency, Explanation and Rationality

Distinctively Human Qualities: Expertise,

Judgement, Intuition, Empathy, Moral Compass,

Creativity

2. Generation

Generative AI

Generation of Text, Graphics, Video, Sound, Signals

Language Models and **natural language processing**

machine learning and **big data** Analytics

Statistical Learning

Clustering and Classification

Neural Networks and Deep Learning

Intelligent Assistants and Chatbots

Pattern Recognition

decision support, Simulation and Management

transformation of Human Tasks

3. Architecture

Intelligent Services and Architectures

Intelligent Digital Systems and Services

Architecture, Modeling and **engineering**

Resilient and Adaptive Software Architecture

Digital Enterprise Architecture

AI-based Platform Architectures

Internet of Things and Sensor Networks

robotics and Remote **control**

Recommender Services and Chatbots

Intelligent Platforms and Ecosystems

Blockchains and Distributed Transactions

Cyber Security, Identity Management and Digital Rights

Human-Centered Service Systems

Dynamics of Action and Interaction

Adaptive Systems, Services, and Processes

Virtual Environments

Ecology of Service Systems

Complexity of Socio-Technical Systems

4. Ethics and Social Considerations

Ethics and Value Alignment in Human-Machine Interactions

Ethical Decision-Making and Intelligent Systems: Fairness and Equality, Transparency, Explanation, Privacy, Safety, Responsibility, Reflection

Value Trade-Offs and Ethical Dilemmas

Political and Social Dimensions of AI

Social Computing and Artificial Intelligence

Human Rights

Democracy, Inclusion, Freedom of Speech

Effective Regulation, Policy-Making, and Legal Compliance

Ethical Leadership in the Deployment and Procurement of Intelligent Systems

Impact of **information technology** on Business and Society

Benefits, Risks, Security, Privacy, Trust

Governance, Laws, and Regulation

5. Intelligent Interaction and Visualization

Mobile Technologies and Intelligent Services

Intelligent Audio, Video and Signal Processing

Intelligent Language Analytics and Generation

Intelligent Visualization, Interaction, Collaboration and Communication

Intelligent Virtual and Augmented Reality

Intelligent **Human-computer interaction**

Intelligent Multimodal Interactive Systems

Intelligent Affective Computing

Ergonomics and Design

Interaction and Game Design

Robots and Unmanned Systems Safety Management and Human Factors

[Click Here to Submit your Paper](#)

Call for Invited Sessions

An invited session consists of a presentation session of 6 to 12 or more papers on a specific conference topic, organised as half or full day mini-conference. We invite senior scientists who have a special interest in a specific conference topic to take responsibility for an invited session, gathering papers from a range of research expertise around the world.

Researchers who would like to organise one or more Invited Sessions on topics falling within the scope of the conference are invited to submit a proposal for consideration.

[Click Here to Download Invited Session Template](#)

For details of the sessions accepted so far see here:

<http://hcis-25.kesinternational.org/cmsISdisplay.php>

Submission Guidelines and Review Process

Authors are invited to submit original, unpublished papers which are not under review for another conference, workshop, or journal by the time of submission. The contributors should address one or more research areas included above.

Detailed submission information is available on the conference page --here--

Submitted papers will undergo double-blind peer review by at least two members of the program committee. Prior to submission, please ensure that you have removed any information from your paper which could identify the authors. Paper acceptance is based on the following criteria: novelty, technical soundness, practical or theoretical impact, clarity, and presentation. At least one author per paper submission is required

to register for the conference, and to present the paper.

Organisation

General Chairs:

Alfred Zimmermann, Reutlingen University,
Germany

Rainer Schmidt, Munich University of Applied
Sciences, Germany

Programme Chairs:

Rashmi Jain, Montclair University, USA,
Yoshimasa Masuda, CMU, USA and Tokyo
University of Science, Japan

Honorary Chairs:

T. Watanabe, Nagoya University, Japan

L. C. Jain, KES International, Australia

Executive Chair: Prof. Robert Howlett, Visiting
Professor, 'Aurel Vlaicu' University of Arad,
Romania and Visiting Professor, Cardiff
Metropolitan University, Wales, UK

International Programme Committee

The list of the IPC members will be added shortly
to the conference page -- here --

Our Destination

SDF-25 will be held at the Hotel President Solin,
Croatia

For more details of the venue please click
<https://hotelpresident.hr/hotel-president-solin/en>

We hope you will join us at this stunning
destination....

Stay in Touch

Don't forget to follow us on Twitter and on LinkedIn
you can follow our company page and join our
Group: KES International Knowledge Connections
to keep up-to-date with news, events and
discussions.

Further Information

For further information about KES International
please email: enquiry@kesinternational.org or visit
www.kesinternational.org

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