



# HUMAN CENTRED INTELLIGENT SYSTEMS

Rhodes, Greece  
20-22 June 2022

## Special track/Session

### Artificial Intelligence Applications in Healthcare

Collocated with: **The 15th KES International Conference on Human Centred Intelligent Systems 2022 (HCIS-22)**

## Call for Papers

### Goals

Mobile phones, sensors, patients, hospitals, researchers, providers and organizations are nowadays, generating huge amounts of healthcare data. The real challenge in healthcare systems is how to find, collect, analyze and manage information to make people's lives healthier and easier, by contributing not only to understand new diseases and therapies but also to predict outcomes at earlier stages and make real-time decisions.

Nowadays, the further development of AI surprises researchers and academics. Due to the propagation of Covid19, researchers, doctors and academics are trying to fully exploit the potential of these technologies to face the pandemic and save people's lives. These tools can revolutionize not only the infrastructure management system, but also the lives of patients. They increase the efficiency and quality of medical interventions and reduce costs by assisting doctors, speeding up the process of data analysis while ensuring proper and ethical use of data and knowledge.

### Scope and Interests

The primary goal of "Artificial Intelligence Applications in Healthcare" session is to share, discuss and exchange the latest research, theories and applications of AI in healthcare. Authors are invited to submit original research papers, which propose new methodologies, approaches and research directions that cover a variety of topics.

Topics of interest include but are not limited to:

- **Smart-healthcare and applications**
- **Smart Grids**
- **Wearable Computing**
- **Smart Sensors**
- **Big Data Analytics**
- **Internet of Things (IoT) and platforms for smart healthcare**
- **Machine/deep learning and applications**
- **Behavior and activity generation**
- **Advanced artificial intelligence methods in Healthcare**
- **Cognitive computing for smart applications in Healthcare**
- **Robotics in Healthcare**
- **Computer vision in Healthcare**

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## Proceedings

The Full Papers conference proceedings will be published by Springer as book chapters in a volume of the KES Smart Innovation Systems and Technologies series, submitted for indexing in Scopus and Thomson-Reuters Conference Proceedings Citation Index (CPCI) and the Web of Science. (The Short Papers and Abstracts conference proceedings will be published online and will not appear in the Springer volume).

## Paper Submission:

Three evaluators, members of the scientific committee, will value every proposition. **All instructions and templates for submission can be found in the HCIS-22 website:**

<http://hcis-22.kesinternational.org/submission.php>

## Important Dates:

Authors are requested to consider the following conference important dates and deadlines:

- Submission of Papers: **15 January 2022**
- Notification of Acceptance: **07 February 2022**
- Upload Final Publication Files: **04 March 2022**

For more information: <http://hcis-22.kesinternational.org/index.php>

**Special session link:** <http://hcis-22.kesinternational.org/cmsISdisplay.php>

## Session Chairs



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