



**INTERNATIONAL**

## INVITED SESSION SUMMARY

### Title of Session:

**Artificial Intelligence, Deep Learning and Vision Transformers, in Medical Systems**

### Name, Title and Affiliation of Chair:

Dr. CS III, Mihaela Luca, Romanian Academy Iași Branch, Institute of Computer Science, Romania

Prof. Yen-Wei Chen, Ritsumeikan University, Japan

Dr. Liviu Andrei Scutelnicu, University "Alexandru Ioan Cuza" of Iași, Faculty of Computer Science, Romania and Romanian Academy Iași Branch, Institute of Computer Science, Romania

Dr. Vlad Constantin Crăciun, University "Alexandru Ioan Cuza" of Iași, Faculty of Computer Science, Romania

### Details of Session (including aim and scope):

Advanced computer aided medical systems using artificial intelligence (AI) and Machine Learning (ML) techniques are solving numerous tangible problems. Moreover, in the last decade, Deep Learning (DL) and Vision Transformers (ViT) breakthroughs drove a wide expansion of AI in medicine. Assisting physicians or even offering information to sustain a complete diagnosis, the new medical applications are more and more useful. This session is a call for describing new ideas and medical implementations, applying AI, ML, DL and ViT in support of health. Intending to gather papers from a range of research in medical expertise worldwide, we address to multidisciplinary experts, researchers, engineers, managers, students and practitioners from the medical arena with a warm invitation for contributions. Discussing the ways that innovation and knowledge exchange in the context of AI tremendous development can be applied to issues related to medicine, surgery, healthcare and ageing population, will constitute the focus of this meeting. The session will try to emphasize the ways in which modern intelligent systems contribute in today's healthcare hot subjects solving by advanced image and video processing.

### Important Dates and Deadlines

Submission of Papers: 1<sup>st</sup> of Feb. 2026

Notification of Acceptance: 1<sup>st</sup> of March 2026

Upload of Publication Files: 13<sup>th</sup> of March 2025

Submissions must be formatted according to the instructions which can be found on the Springer website [.. here ..](#) under "Instructions for Authors".

Papers must be submitted in PDF format for review purposes, but authors are required to upload editable word-processor files (LaTeX or MS Word) at the end of the review process.

The required paper length is 10 pages in publisher format. Papers longer than this may be subject to an additional charge. Short paper (4 pages) is also welcome.

Papers to be considered for the conference must be submitted in PDF form.

Please visit the conference website (<http://inmed-26.kesinternational.org/index.php>) for detailed information about paper submission.

### Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Ritsumeikan University, Japan

Romanian Academy, Iași Branch, Institute of Computer Science, Romania

University Alexandru Ioan Cuza, Computer Science Faculty, Iași, Romania

**Website URL of Call for Papers (if any):**

**Email & Contact Details:**

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