



International

INVITED SESSION SUMMARY

Title of Session

Digitalization and Knowledge Management in Health Data Acquisition and Processing

Name, Title and Affiliation of Chair:

Chair: **Ralf Seepold**

HTWG Konstanz (Germany), ralf.seepold@htwg-konstanz.de

Co-Chair: **Juan Antonio Ortega**

University of Seville (Spain), jortega@us.es

Co-Chair: **Natividad Martínez Madrid**

University of Reutlingen (Germany), natividad.martinez@reutlingen-university.de

Co-Chair: **Aaron Raymond See**

Southern Taiwan University of Science and Technology (Taiwan), aaronsee@stust.edu.tw

Details of Session (including aim and scope):

This session will show concepts, techniques, strategies and practices in digitalization and knowledge management for processing with special focus on home care and intelligent homes.

The contributors will present recent advances on configuration, self-assessment and training for different application domains, like intelligent homes, home care, mobile care, health service. It includes also systems, platforms and concepts related to the mentioned topics.

The following topics are considered:

- Medical and contactless sensor data acquisition
- Sensor data post-processing (e.g. in vital sensors)
- Deep learning approaches (e.g. to support diagnosis)
- Health record knowledge-based processing
- Diagnostic support systems
- Signal classification
- Continuous non-invasive monitoring
- Smart Home services

Important deadlines (tentative)

- Submission deadline: 07 April 2024
- Notification of Acceptance: 06 May 2024
- Final paper publication files: 20 May 2024

Authors who submit and present their work will have their work published and indexed internationally by Elsevier's *Procedia Computer Science*

(<http://www.journals.elsevier.com/procedia-computer-science/>).

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

Program chairs and their research groups

Prof. Dr. Ralf Seepold (HTWG Konstanz, Germany)

Prof. Dr. Juan Antonio Ortega (U Sevilla, Spain)

Prof. Dr. Natividad Martínez Madrid (Reutlingen University, Germany)

Prof. Dr. Aaron Raymond See (Taiwan University of Science and Technology, Taiwan)

Prof. Dr. Almir Badnjevic (University of Sarajevo, Bosnia and Herzegovina)
Prof. Dr. Elma Zanaj (Polytechnic University of Tirana, Albania)
Prof. Dr. George E. Dafoulas (University of Thessaly, Greece)
Prof. Dr. Massimo Conti (Università Politecnica delle Marche, Italy)
Prof. Dr. Mircea Focsa (Victor Babes University of Medicine and Pharmacy, Romania)
Prof. Dr. Panagiotis Bamidis (University of Thessaloniki, Greece)
Prof. Dr. Polina Mihova (New Bulgarian University, Bulgaria)

Website URL of Call for Papers (if any):

Conference: <http://kes2024.kesinternational.org/>

Email & Contact Details:

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