International

INVITED SESSION SUMMARY

Title of Session
Biosignal data acquisition and knowledge-based processing

Name, Title and Affiliation of Chair:

Chair: **Ralf Seepold**
HTWG Konstanz (Germany) and Sechenov University (Russia), ralf@ieee.org

Co-Chair: **Juan Antonio Ortega**
University of Seville (Spain), jortega@us.es

Details of Session (including aim and scope):

This session will show techniques, strategies and practices in knowledge management for home care and home automation systems linked to home care support.
The contributors will present recent advances on configuration, self-assessment and training for medical home care. This includes the systems, platforms and contents related to these domains.

The following topics are considered:
– Medical sensor data acquisition
– Contactless sensors
– Sensor data post-processing
– Deep learning approaches
– Health record knowledge-based processing
– Diagnostic support systems
– Artificial Intelligence for signal classification
– Signal classification
– Continuous non-invasive monitoring
– Cross-border sensor application

Important deadlines

– Submission deadline: 13 April 2021
– Notification of Acceptance: 7 May 2021
– Final paper publication files: 14 May 2021

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):
t.b.d.

Website URL of Call for Papers (if any):
Conference: http://kes2021.kesinternational.org
Sessions: http://kes2021.kesinternational.org/cmsISdisplay.php

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