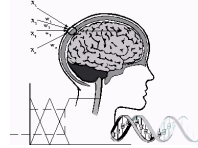




# International

*Innovation in Knowledge Based and Intelligent  
Engineering Systems*



## INVITED SESSION SUMMARY

**Title of Session:**

Intelligent Healthcare Informatics

**Name, Title and Affiliation of Chair:**

Dr. Yulia A Hicks, Senior Lecturer, Cardiff University, UK  
Dr. Hiroharu Kawanaka, Assistant Prof., Mie University, Japan  
Dr. Haruhiko Takase, Associate Prof. Mie University, Japan

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

The state of the art in medical and healthcare technologies is defined by research in wide ranging disciplines such as Databases, Computer/Sensor networks, Data Analysis, Signal and Image Processing and so on. In particular, intelligent information and communication technologies play important role in improving the performance of such systems.

In this session, we aim to gather not only engineering researchers but also medical practitioners to discuss the most recent and innovative technologies and to define new problems in this field. Topics of interest for submission include, but are NOT limited to:

- Assistive Robot Systems in Healthcare
- Biometrics
- Biomedical Sensor Devices
- Brain Science
- Computer Aided Diagnosis
- Data Analysis for Medical/Clinical Studies
- HER Systems
- Human Computer Interaction and Interface
- Internet of Things (IoT) for Medical/Welfare Systems
- Medical Image/Signal Processing
- Protection of Personal Information
- Protection of Personal Information
- Signal Processing
- Virtual Reality
- Welfare Information Systems

In this session, we will also invite clinical studies to formulate problems in medical/clinical, welfare and healthcare fields.

**Main Contributing Researchers / Research Centres (tentative, if known at this stage):****Website URL of Call for Papers (if any):**

<http://www.ip.elec.mie-u.ac.jp/kes2017is/>

**Email & Contact Details:**

HicksYA@cardiff.ac.uk  
kawanaka@elec.mie-u.ac.jp  
takase@elec.mie-u.ac.jp