



# ICTS4eHealth Workshop

## THIRD EDITION OF THE IEEE WORKSHOP ON ICT SOLUTIONS FOR EHEALTH

in conjunction with the Twenty-third IEEE Symposium on Computers and Communications

Natal, BRAZIL

June 25 - 28, 2018

[www.icts4ehealth.icar.cnr.it](http://www.icts4ehealth.icar.cnr.it)

e-Health is one of the major research topics that have been attracting cross-disciplinary research groups. The deployment of new emerging ICT technologies for Health, especially based on Cloud computing, Internet of Things (IoT), and Computational Intelligence, is attracting the interest of many researchers.

ICTS4eHealth 2018 is the third edition of the International IEEE Workshop dedicated to ICT solutions for e-Health, especially based on Cloud computing, Internet of Things (IoT), and Computational Intelligence.

The workshop will bring together researchers from academia, industry, government, and medical centers in order to present the state of the art in the emerging area of the use of cloud systems in connected health infrastructure and applications, and the use of IoT and Computational Intelligence technique in the area of eHealth.

### Topics

Workshop Topics Include (but are not limited to):

- Cloud computing applications for eHealth
- Internet of Things (IoT) applications for eHealth
- Assistive Technology (AT)
- Networking and Monitoring in Bio-systems
- Management and Organization of BME Environments
- Bioinformatics and Computational Biology and Medicine
- Monitoring of Vital Functions with Sensor and ICT Systems
- Biosensors and Sensor Networks
- Advanced Bio-signal Processing
- Distributed BME Applications
- Telehealth, Telecare, Telemonitoring, Telediagnosics
- e-Healthcare, m-Healthcare, x-Health
- Assisted Living
- Smartphones in BME Applications
- Hardware & Software personalized assistive technologies
- Assistive systems for users who are blind or visually impaired
- Integration between home-based assistive technologies and patient health data
- User-centered design of electronic assistive technologies
- Usability of assistive technologies
- Computer vision in AT
- User interfaces for home-based assistive technologies
- Use of prescription systems and assistive technologies
- Experience from real world assistive environment deployment
- Assistive Technologies for Urban Environments
- Healthcare modeling and simulation
- Knowledge discovery and decision support
- Biomedical data processing
- Wearable devices
- Sensor-based mHealth applications
- Social Networking, Computing and Education for Health
- Computer Aided Diagnostics
- Improved Therapeutic and Rehabilitation Methods
- Intelligent Bio-signal Interpretation
- Data and Visual Mining for Diagnostics
- Advanced Medical Visualization Techniques
- Personalized Medical Devices and Approaches
- Modelling and Computer Simulations in BME
- Human Responses in Extreme Environments
- Other Emerging Topics in BME
- e-Accessibility, web accessibility

The use of Soft Computing/Computational Intelligence methods in facing problems in the above topics is highly welcome, although by no way compulsory.

### Submission

Authors are invited to submit full papers written in English, with a paper length of six (6) printed pages, including figures, tables & references in IEEE double-column format (IEEE standard conference templates). Submissions should contain original material and not be previously published, or currently submitted for consideration elsewhere. All papers will be reviewed for scientific quality by the Technical Program Committee.

All papers should be submitted via EDAS. The link will be available soon on the website of the workshop.

Paper submission implies the willingness of at least one author to register, at the regular rate (non-student), and present the paper. The Workshop Proceedings will be part of the ISCC 2018 Proceedings and will be submitted for inclusion in IEEE Xplore Digital Library. The IEEE ISCC Proceedings have been indexed in the past by ISI, dblp and Scopus.

### Best Paper Award

A "Best Paper Award" Certificate will be conferred on the author(s) of a paper presented at the workshop, selected by the Chairs based on scientific significance, originality and outstanding technical quality of the paper, as assessed also by the evaluations of the members of the Program Committee.

### Important Dates

Submission deadline: **April 02, 2018**

Notification deadline: **May 07, 2018**

Camera Ready: **May 14, 2018**

Maximum paper length: 6 pages (One additional optional page can be added with an additional fee)

### Co-Chairs contacts

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