

TELEMEDICINE AND E-HEALTH: MEDICAL IMAGE DATA AND DATASETS INTO HEALTHCARE INTEROPERABILITY WITH IOT

The special session “Telemedicine and e-Health: medical image data and datasets into healthcare interoperability with IoT” aims to bring together and establish networking amongst researchers working in the field of biomedical imaging, image processing, database, computational modeling and simulations, bioinstrumentation and Internet of Thing.

The session covers a broad spectrum of up-to-date topics on medical imaging/biomedical engineering including: image processing algorithms, bioinformatics, medical records, clinical, epidemiological and multimedia data bases, Hospital information systems and healthcare networks, Interoperable Health Records, Integrating heterogeneous health records, Telemedicine/e-health and telecommunications, hardware/software technologies, wearable systems and sensors, m-health and p-health systems, medical devices/instrumentation, Measurement and instrumentation in bioengineering, Internet in healthcare and medical web portals, Multimedia applications for medical and healthcare education and e-learning and Ethical and legal aspects of e-health and telemedicine. Related issues are also welcome.

Giuseppe Caruso

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Short Curriculum Vitae

Degree in Medicine in 1988 at the University of Palermo. Specialist in Radiology in 1993 at the University of Palermo. Assistant physician at the Radiology Institute of Radiology of the University of Palermo, from 1993 to 2001.

Named associate professor in Radiology from the Faculty of Medicine of the University of Palermo on November 2001.

Head of II Unit of Radiology at the University Hospital of Palermo from 2006 to 2011.

Specialist in Nuclear Medicine in 2007

His research activities have been towards the study of angiogenesis (thyroid diseases, color Doppler, contrast enhancement ultrasound, neoplasm), with more than 100 works.

Luigi Rovati

University of Modena and Reggio Emilia

Short Curriculum Vitae

Luigi Rovati received his first-class honours-degree in Electronic Engineering in 1989 and PhD in Electronic Engineering and computer science in 1994 both at the University of Pavia, Italy. From 1995-2001 he was researcher and Assistant Professor at the University of Brescia. He joined the Department of Information Engineering at the University of Modena and Reggio Emilia, in 2001, where he is Full Professor of Electronic Instrumentation and Measurement.

His research activities have been towards the study and the development of low-noise, high performance, innovative biomedical instrumentation. The published papers production (more than 200 publications) testifies the level of the developed activity.