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8-12 DECEMBER ★ AUSTIN, TEXAS, USA

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Call for Papers for
Symposium on Selected Areas in Communications
– eHealth Track –

Scope and Motivation:

The Symposium on Selected Areas in Communications - eHealth Track provides a forum for discussion of recent developments, bringing together researchers, scientists, engineers, academicians and students all around the world to share the latest updates on new technologies and applications that would shape the next generation of networks and systems related with medicine and healthcare. eHealth technologies play an important role in medical solutions and healthcare. New solutions continue to be developed to create safer health care environments. The rapid growth of using such devices and technologies in medical fields has created new opportunities for emerging application development. However, enormous challenges still remain to be resolved in order to develop flexible, reliable, secure, and power-efficient networks suitable for medical needs.

Authors are invited to submit original technical papers offering novel research contributions in any aspect of eHealth and covering but not limited to the topics of interest listed below.

Main Topics of Interest:

- Autonomic Diagnosis and Situation Awareness (Fall, Activity, etc.)
- Biomedical and biosensors engineering
- Body sensor networks and wearable sensor systems
- Clinical biofeedback
- Clinical decision support systems and tools
- Context Awareness and Autonomous Computing for AAL (Ambient Assisted Living)
- eHealth information and network Infrastructure
- eHealth oriented Software Architectures (Agent, SOA, Middleware, etc.)
- eHealth virtual and augmented reality
- Emerging eHealth applications
- Health grid and health cloud
- Health monitoring and traffic characterization
- Healthcare management
- ICT-enabled personal health system
- Image and video processing on eHealth
- Molecular Sensor Communications

- Pervasive and ubiquitous computing on eHealth
- Security, trust, and privacy on eHealth
- Social aspects of eHealth
- Telemedicine and mobile telemedicine
- Usability and Acceptability
- Wireless medical device systems and effectiveness

Sponsoring Technical Committee:

- eHealth

How to Submit a Paper:

The IEEE Globecom 2014 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline is April 1, 2014. Unlike recent ICC's and Globecom's, this is a hard deadline that will not be extended.**

Symposium Track-Chair:

Joel J. P. C. Rodrigues,
Instituto de Telecomunicações, University of Beira Interior, Portugal
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Joel José P. C. Rodrigues is a professor in the Department of Informatics of the University of Beira Interior, Covilhã, Portugal, and researcher at the Instituto de Telecomunicações, Portugal. He received a PhD degree in informatics engineering, an MSc degree from the University of Beira Interior, and a five-year BSc degree (licentiate) in informatics engineering from the University of Coimbra, Portugal. His main research interests include e-health, e-learning, sensor networks, vehicular delay-tolerant networks, and mobile and ubiquitous computing. He is the leader of NetGNA Research Group (http://netgna.it.ubi.pt), the Chair of the IEEE ComSoc Technical Committee on Communications Software, the Vice-Chair of the IEEE ComSoc Technical Committee on eHealth, and Member Representative of the IEEE Communications Society on the IEEE Biometrics Council. He is the editor-in-chief of the International Journal on E-Health and Medical Communications, the editor-in-chief of the Recent Patents on Telecommunications, and editorial board member of several journals. He has been general chair and TPC Chair of many international conferences. He is a member of many international TPCs and participated in several international conferences organization. He has authored or coauthored over 300 papers in refereed international journals and conferences, a book, and 2 patents. He had been awarded the Outstanding Leadership Award of IEEE GLOBECOM 2010 as CSSMA Symposium Co-Chair and several best papers awards. Prof. Rodrigues is a licensed professional engineer (as senior member), member of the Internet Society, an IARIA fellow, and a senior member of ACM and IEEE.