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Call for Papers for
Selected Areas in Communications Symposium
- Cloud Computing Track -

Scope and Motivation:

The Selected Areas in Communication Symposium – Cloud Computing will focus on networking challenges for providing mobile cloud computing and services. Cloud computing issues have been widely prospected to deploy information technology infrastructures, service platforms and software within public and private heterogeneous environments. Special attention from industry and research community is concerned with the emergence of very fast mobile networks devices (4G and beyond mobile networks, smartphones, tablets and so on), which can bring cloud computing to the mobile domain. Many challenges are to be addressed to get results into reality. This track aims to motivate potential authors to submit their original contributions in the following aspects, which are a tentative to cover the main topics (not limited to) in the field:

- Mobile cloud computing models, infrastructures, and approaches;
- Virtual Machine Mobility Algorithms and Protocols;
- Security, Privacy, Confidentiality in Cloud Networking;
- Energy-efficient resource management in virtualized cloud data centers;
- Pricing Strategies for Cloud Computing Load Balance and Profit;
- SLA-aware Service Composition in Cloud Environments;
- Mobile Cloud Computing scenarios and proof-of-concept demonstrators;
- Virtualization of Wireless Network Equipment;
- Unified User and Machine Mobility Management;
- Virtualizing the Electric Utility in Cloud Data Centers;
- Data Center Power Cost/Carbon Emission/Energy Consumption Optimization;
- Data Center Capacity Planning;
- Cloud Energy Demand Response in a Smart Grid Environment;

Sponsoring Technical Committee:

- Internet Technical Committee

How to Submit a Paper:

The IEEE Globecom 2015 website provides full instructions on how to submit papers. You will select the desired symposium when submitting. **The paper submission deadline is April 1, 2015.**

Symposium Track Chair:

José Neuman de Souza, Federal University of Ceará, Brazil, neuman@ufc.br

Jose Neuman de Souza, IEEE Senior member, holds a PhD degree at Pierre and Marie Curie University (PARIS VI/MASI Laboratory), France, since 1994. He has spent a year (2008-2009) at the National Laboratory for Scientific Computing - LNCC (Petropolis, Rio de Janeiro, Brazil), developing Senior Pos-Doctorate activities. He worked in the European projects PEMMON (ESPRIT programme), ADVANCE (RACE I programme) and ICM (RACE II programme), as a technical and administrative member and his contribution were related to the heterogeneous network management environment with emphasis on the TMN (Telecommunication Management Network) systems. He is currently working as full professor at the Federal University of Ceara in the Computer Science Department. He has been serving as Areas Editor for the following scientific journals: Computer Networks, Computer Communications and Journal of Networks and Computer Applications (Senior Editor) from Elsevier and International Journal of Network Management from Wiley. From 1999 to 2005 he was a board member (Directory) of the Computer Networks National Laboratory (LARC). He has been a First Class Invited Professor at: UMR CNRS 8144 PRISM-Universite de Versailles Saint Quentin-en-Yvelines, France (2001); UMR CNRS 7030 LIPN-Universite de Paris 13, France (2005, 2006, 2008, 2009); IMAGINE Lab-University of Ottawa, ON, Canada (2007); IBISC Lab-Universite d'Evry Val d'Essonne, Evry, France (2011). He has been as well a CNRS invited researcher at LABRI laboratory - Bordeaux 1 University, France (2010). Since 1999 he has been the Brazilian representative at the IFIP TC6 (communication systems).