Welcome Message from the Editor-in-Chief

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On behalf of the Editorial Board of ICST Transactions on Ubiquitous Environments (ISSN# 2032-9377), it is my pleasure and privilege to welcome you to the inaugural issue of this international archival journal.

This journal has been designed with the objective of creating a venue for publishing the latest research and developments in the area of ubiquitous environments. The journal will deal with contributions in the topics of smart spaces with ambient intelligence where sensors in the environment help a system to appropriately react to people, context-aware pervasive computing systems where the current context enables the system to guide the user's tasks, home area networking systems that can intelligently monitor, track and control a home's environment, and vehicular sensor networks, where a collection of sensors monitor and control the vehicle's well-being.

The scope of the journal deals with, but is not limited to, the various aspects of computing and communications that help achieve this goal. These include: Ubiquitous Environments Infrastructure Design and Implementation, Operating Systems and Programming Environments for Smart Mobile Devices, Embedded Systems and Networking Support for Ubiquitous Environments, Middleware, Security and Privacy Support for Ubiquitous Environments, Human Computer Interfacing, Human-Centric Interaction and Hardware/Software Co-design principles. Papers that describe innovative applications and test-beds that demonstrate the utility of ubiquitous environments, and tools that enable development of novel applications are particularly welcome.

In addition to regular academic research papers that will undergo rigorous peer review by established researchers, we will also strive to regularly publish position papers by industry practitioners and professionals. This will help bridge the gap between academic research and industry practice.

I would like to take this opportunity to thank all the members of the Editorial Board that comprises of leading international researchers from all over the globe and the members of the International Advisory Board, whose valuable guidance and suggestions will help us achieve the goals of creating a high-quality archival journal dedicated to ubiquitous environments. I would also like to thank the publications staff at EAI and ICST who have been instrumental in taking care of all the logistics and in ensuring that we meet the deadlines.

This inaugural issue consists of papers selected from the Third International ICST Conference on Personal Satellite Services (PSATS) 2011 conference, that was held in Malaga, Spain. The Guest Editors are: Dr. Igor Bisio (University of Genoa) and Dr. Fun Hu (University of Bradford); they had also served as Technical Program Committee Co-Chairs for PSATS 2011 conference. I would like to extend my warmest gratitude to Drs. Bisio and Hu for their tireless efforts in preparing this special issue. Additional details about the papers are available in the Guest Editorial written by them.

Subsequent issues of this journal will include regular submissions supplemented by special issues on emerging topics. Guest Editors interested in editing special issues may contact the Editor-in-Chief for additional information.

The ICST Transactions on Ubiquitous Environments team and I hope that you will find this journal to be of high quality and useful to both your research and practice. We look forward to your continued patronage in terms of both high-quality submissions and in helping provide expert reviews for the submitted articles.

Biography:

Krishna M. Sivalingam is a Professor in the Department of CSE, IIT Madras, Chennai, INDIA. Previously, he was a Professor in the Dept. of CSEE at University of Maryland, Baltimore County, Maryland, USA; Associate Professor in the School of EECS at Washington State University, Pullman; and Assistant Professor in the University of North Carolina Greensboro. He has also conducted summer research at

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IBM Research India, Lucent Technologies' Bell Labs in Murray Hill, USA and at AT&T Labs in Whippany, USA. He received his Ph.D. and M.S. degrees in Computer Science from State University of New York at Buffalo in 1994 and 1990 respectively; and his B.E. degree in Computer Science and Engineering in 1988 from Anna University's College of Engineering Guindy, Chennai (Madras), India. While at SUNY Buffalo, he was a Presidential Fellow from 1988 to 1991.

His research interests include wireless networks, optical wavelength division multiplexed networks, network security and performance evaluation. His work has been supported by several sources including AFOSR, DST India, Tata Power Company, IBM, NSF, Cisco, Intel and Laboratory for Telecommunication Sciences. He holds three patents in wireless networks and has published several research articles including more than forty-five journal publications. He has co-edited a book on Next Generation Internet Techologies in 2010; on Wireless Sensor Networks in 2004; on optical WDM networks in 2000 and 2004. He is co-recipient of the Best Paper Award at the IEEE International Conference on Networks 2000 held in Singapore.

His current/past memberships of Editorial Boards include those of ACM Wireless Networks Journal, IEEE Transactions on Mobile Computing, Elsevier Optical Switching and Networking Journal, International Journal of Security and Networks, Ad Hoc and Sensor Wireless Networks Journal, International Journal of Vehicular Technology, and KICS Journal of Communications and Networks.

He has served as Steering Committee Co-Chair of the International Conference on Broadband Networks (BroadNets) and the International Conference on Security and Privacy for Communication Networks (Securecomm). He serves on the Standing Committee of IEEE Conference on Sensor, Ad Hoc and Mesh Communications and Networks (SECON) conference, and the IEEE Advanced Networks and Telecommunications Symposium (ANTS) conference.

He served as General Co-Chair for IEEE Advanced Networks and Telecommunications Symposium (ANTS) 2010 (Mumbai, India); Technical Program Co-Chair for IEEE Advanced Networks and Telecommunications Symposium, 2009 (New Delhi, India); International Conference on Distributed Computing and Networking (ICDCN) 2010 (Kolkata, India) and National Conference on Communications (NCC) 2010 (Chennai, India). He has also served as Technical Program Co-Chair for IEEE INFOCOM 2008, held in Phoenix, Arizona, USA during April 2008; as General Chair for IEEE Conference on Sensor and Ad Hoc Communications and Networks (SECON) that was held in Reston, VA during Sep. 2006; as General Co-Chair for the Second Annual International Mobiquitous conference held in San Diego in July 2005; as Technical Program Co-Chair for the First IEEE Conference on Sensor and Ad Hoc Communications and Networks (SECON) held at Santa Clara, CA in 2004; and as Technical Program Co-Chair of SPIE/IEEE/ACM OptiComm conference at Boston, MA in July 2002. He is a Senior Member of IEEE and a member of ACM.