

EDITORIAL PREFACE

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This is the last issue of IJBDCN in 2010 and we thank sincerely the associate editors and the members of the editorial review board (ERB) of the journal, who have nourished this journal over the years to help it reach what it is today. We also thank all the reviewers who provided the much needed support and spent their valuable time to make IJBDCN one of the important refereed journals in the area of telecommunications and networking. We also thank the founding editor Dr. Jairo Gutierrez for his continued support towards the betterment of the journal.

This is a special issue on “Ad-Hoc and Sensor Networks” guest-edited by Dr. Abdelfettah Belghith of the University of Manouba, Tunisia, and Dr. Mario Gerla of the University of California at Los Angeles, USA.

Ad Hoc and Sensor Networks have solicited tremendous attentions from both academic community and industry fields for several recent years. They are becoming an integral part of the current computing landscape and certainly of future computing development and networking platforms. Along with the rapid development of hardware and embedded systems, ubiquitous connectivity, ad hoc and sensor networks are being further developed towards a large number of mobile and multimedia applications such as video surveillance, traffic enforcement and control systems, advanced healthcare delivery,

structural health monitoring, and industrial process control.

The support of mobility, multimedia, security and scalability raise many challenging issues such as intelligent content aware transmission, scarce resource intelligent allocation, mobile self organization, intelligent routing, virtual network infrastructure management, secured communications and localization. This issue aims to address such important research problems in ad-hoc and sensor networks.

Thanks to Dr. Belghith and Dr. Gerla for putting together such a nice collection of research articles from the ACS/IEEE Workshop on “Future Trends on Ad-hoc and Sensor Networks (FT-ASN 2010)” which was held in conjunction with the 8th ACS/IEEE International Conference on Computer Systems and Applications AICCSA 2010 at Hammamet, Tunisia, May 16-19, 2010.

We hope that you enjoy this issue as much as you have done the previous issues of IJBDCN. If you have any feedback or suggestions to send us, please feel free to do so via e-mail at ds@iimcal.ac.in or at v_sridhar@acm.org.

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*Debashis Saha is a professor with the MIS Group, Indian Institute of Management (IIM)-Calcutta. Previously, he was with CSE Department at Jadavpur University (Kolkata, India). He received his BE (Hons) degree from Jadavpur University (Kolkata, India), and the MTech and PhD degrees from the Indian Institute of Technology (Kharagpur) all in electronics and telecommunication engineering. His research interests include pervasive communication and computing, network operations, management and security, wireless networking and mobile computing, ICT for development, and network economics. He has supervised thirteen doctoral theses, published about 230 research papers in various conferences and journals, and directed four funded research projects on networking. He has co-authored several book chapters, a monograph, and five books including *Networking Infrastructure for Pervasive Computing: Enabling Technologies and Systems* (Norwell, MA: Kluwer, 2002) and *Location Management and Routing in Mobile Wireless Networks* (Boston, MA: Artech House, 2003). Dr. Saha is the recipient of the prestigious career award for Young Teachers from AICTE, Government of India, and is a SERC Visiting Fellow with the Department of Science and Technology (DST), Government of India. He is a Fellow of West Bengal Academy of Science and Technology (WAST), Senior Life Member of Computer Society of India, Senior Member of IEEE, member of ACM, member of AIS, and member of the International Federation of Information Processing Working Group's 6.8 and 6.10. He was the founding Chair of Calcutta Chapter of IEEE Communications Society.*

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