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RECENT ADVANCES IN NETWORKING, VLSI & SIGNAL PROCESSING

**Proceedings of the 12th International Conference on
Networking, VLSI and Signal Processing (ICNVS '10)**

University of Cambridge, UK, February 20-22, 2010

**Organized by the Coimbatore Institute of Technology
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Preface

This year the 12th International Conference on NETWORKING, VLSI and SIGNAL PROCESSING (ICNVS '10) was held at the University of Cambridge, UK, February 20-22, 2010, organized by the Coimbatore Institute of Technology with the Technical Co-Sponsorship of WSEAS. The conference provided a platform to discuss localization for wireless networks, wireless broadcast, multicast, and streaming, physical layer algorithms, ultra-wide bandwidth communication, wireless emergency and security systems, innovative user interfaces, peer-to-peer services for multimedia, processor and memory design, technology modeling-design-simulation, giga-scale integrated circuit manufacturing, digital imaging, hybrid systems-on-chip, audio / speech / music processing & coding, brain-computer interface, image and multidimensional signal processing, time-frequency analysis and representation etc. with participants from all over the world, both from academia and from industry.

Its success is reflected in the papers received, with participants coming from several countries, allowing a real multinational multicultural exchange of experiences and ideas.

The accepted papers of this conference are published in this Book that will be indexed by ISI. Please, check it: www.worldses.org/indexes as well as in the CD-ROM Proceedings. They will be also available in the E-Library of the WSEAS. The best papers will be also promoted in many Journals for further evaluation.

A Conference such as this can only succeed as a team effort, so the Editors want to thank the International Scientific Committee and the Reviewers for their excellent work in reviewing the papers as well as their invaluable input and advice.

The Editors

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