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SIGNAL PROCESSING SYSTEMS

**Proceedings of the 8th WSEAS International Conference on
SIGNAL PROCESSING (SIP '09)**

**(including the 3rd WSEAS INTERNATIONAL SYMPOSIUM on Wavelets Theory
& Applications in Applied Mathematics, Signal Processing & Modern Science)**

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Preface

This year the 8th WSEAS International Conference on Signal Processing (SIP '09) including the 3rd WSEAS International Symposium on Wavelets Theory and Applications in Applied Mathematics, Signal Processing & Modern Science (WAV '09) was held in Istanbul, Turkey. The Conference remains faithful to its original idea of providing a platform to discuss mathematical wavelet analysis, wavelet transforms, multi-rate filter banks, sub-band filtering schemes, regularity, moments and wavelet system design, bi-orthogonal wavelets, multiplicity, wavelets and multilevel approximation 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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