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# **APPLIED INFORMATICS & COMMUNICATIONS**

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*Proceedings of the 7<sup>th</sup> WSEAS International Conference on APPLIED INFORMATICS &  
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## Preface

The book you are currently holding contains the Proceedings of the 7th WSEAS International Conference on APPLIED INFORMATICS and COMMUNICATIONS (AIC'07), which was held in Vouliagmeni, Athens, Greece, August 24-26, 2007.

Applied informatics and communications are the base for modern mankind life. Computer languages and applications, information theory and applications, complexity theory and applications, computing theory and applications, software engineering, Web-Base engineering, We-Based government, Web-based Commerce, data structures and Web applications, file structures and design, databases and web applications, knowledge engineering and data technology, pattern analysis, machine intelligence and applications, operating systems and internet, parallel and distributed systems, tolerance computing, mobile computing, object-oriented programming, computer architecture, fault-optimization techniques, soft computing, industry applications of informatics, parallel programming, microprocessors and microcomputers, numerical analysis, game theory, computer graphics, computational geometry, machine vision, computer algebra, symbolic computation, adaptive and learning systems, classification, identification, chaos fractals and bifurcations, visualization, digital libraries, hardware engineering, networks, software maintenance, video technologies, anti-hacking technologies, programming techniques in communications, microwave theory and techniques, CAD design for microwave system, antennas and radars, lightwave technology, submillimeter-wave techniques, microwave high-power techniques, filters, tubes, masers, amplifiers, H-VHF-UHF engineering, reflectors, electromagnetic field, numerical methods for electromagnetics, mathematical methods and computational techniques for microwaves, antennas, radars, radio engineering in astronomy, navigation, aerospace systems, optical fiber systems, communication electronics, signal processing for wireless communication are some of the most important branches of modern applied informatics and communications. Many papers from all these branches are published in this Volume.

The Plenary Speech of AIC '07 was:

- *Autonomic Trust Management for Component Software Platform*  
by Ms. Zheng Yan, Nokia Research Center, Finland.

We would like to thank all members of the organizing laboratories for their contribution to the organization of the conference.

The contents of this Book are also published in the CD-ROM Proceedings of the Conference. Both will be sent to the WSEAS collaborating indices after the conference: [www.worldses.org/indexes](http://www.worldses.org/indexes).

In addition, the papers of this book are permanently available to all the scientific community via the WSEAS E-Library.

Expanded and enhanced versions of papers published in these conference proceedings are also going to be considered for possible publication in one of the WSEAS journals that participate in the major International Scientific Indices (Elsevier, Scopus, EI,

Compendex, INSPEC, CSA .... see: [www.worldses.org/indexes](http://www.worldses.org/indexes) ) these papers must be of high-quality (break-through work) and a new round of a very strict review will follow. (No additional fee will be required for the publication of the extended version in a journal).

We cordially thank all the people of WSEAS for their efforts to maintain the high scientific level of conferences, proceedings and journals.

The Editors



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APPLIED INFORMATICS and COMMUNICATIONS (AIC'07)  
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