ATLANTIS AMBIENT AND PERVASIVE INTELLIGENCE
VOLUME 2

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(ISSN: 1875-7669)

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Web-Based Information Technologies and Distributed Systems

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29, avenue Laumière
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Atlantis Ambient and Pervasive Intelligence

Volume 1: Agent-Based Ubiquitous Computing - Eleni Mangina, Javier Carbo, José M. Molina

ISBN: 978-90-78677-28-4
ISSN: 1875-7669

e-ISBN: 978-94-91216-32-9

Preface

The Fourth International Conference on Signal-Image Technology & Internet-Based Systems (SITIS 2008) has been successfully held during the period 30th November to 3rd of December of the year 2008 in Bali, Indonesia. The Track Web-Based Information Technologies & Distributed Systems (WITDS) is one of the four tracks of the conference. The track is devoted to emerging and novel concepts, architectures and methodologies for creating an interconnected world in which information can be exchanged easily, tasks can be processed collaboratively, and communities of users with similar interests can be formed while addressing security threats that are present more than ever before. The track has attracted a large number of submissions; only fifteen papers have been accepted with acceptance rate 27 %. After the successful presentations of the papers during the conference, the track chairs have agreed with Atlantis publisher to publish the extended versions of the papers in a book. Each paper has been extended with a minimum of 30 % new materials from its original conference manuscript.

This book contains these extended versions as chapters after a second round of reviews and improvement.

The book is an excellent resource of information to researchers and it is based on four themes; the first theme is on advances in *ad-hoc* and routing protocols, the second theme focuses on the latest techniques and methods on intelligent systems, the third theme is a latest trend in Security and Policies, and the last theme is applications of algorithms design methodologies on web based systems.

We would like to give our great appreciations to the authors and the PC members of the track to their excellent contributions and effort that makes the creation of this book is achievable. Also, we would like to thank Atlantis publisher who has agreed to publish this

valuable book to the community. Special thanks to Zeger Karssen and Zakaria Maamar for their help and support during the publication of the book.

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