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3

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# E-business and Telecommunication Networks

Second International Conference, ICETE 2005  
Reading, UK, October 3-7, 2005  
Selected Papers

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## Preface

This book contains the best papers of the Second *International Conference on E-business and Telecommunication Networks (ICETE)*, which was held, in 2005, at the Microsoft Research Centre - Reading, in the UK. The conference was organized by INSTICC (*Institute for Systems and Technologies of Information, Communication and Control*) in collaboration with the University of Westminster/WITRC, UK.

ICETE reflects a continuing effort to increase the exchange of expertise among professionals who work in the fields of e-business and telecommunication networks, including aspects related to security, wireless systems, signal processing, and all sorts of applications, who are bringing new services and technologies into the lives of ordinary consumers. The major goal of this conference was thus to bring together researchers and developers from academia and industry working in areas related to e-business to stimulate a debate with a special focus on telecommunication networks.

Four simultaneous tracks were held, covering different aspects, namely: “*Global Communication Information Systems and Services*”, “*Security and Reliability in Information Systems and Networks*”, “*Wireless Communication Systems and Networks*” and “*Multimedia Signal Processing*”. Each of these tracks appealed to a global audience of engineers, scientists, business people and policy experts, interested in the research topics of ICETE. All tracks focused on specific topics of research and real world applications and relied on contributions from industry, with different solutions for end-user applications and enabling technologies, in a diversity of communication environments. The papers accepted and presented at the conference demonstrated a number of new and innovative solutions for e-business and telecommunication networks, showing that the technical problems in both fields are challenging and worthwhile.

The conference received 151 paper submissions in total, with contributions from 38 different countries, from all continents, which really shows the global dimension of the conference. To evaluate each submission, a double blind paper evaluation method was used: each paper was reviewed by at least two internationally known experts from our Program Committee. In the end, 85 papers were selected for oral presentation and publication in the proceedings, corresponding to a 56% acceptance ratio. Then, a short list including only the very best and most significant papers was selected to appear in this book.

We hope that you will find these papers interesting and that they will prove a helpful reference in the future for all those who need to address the areas of e-business and telecommunication networks.

June 2007

Joaquim Filipe

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Rohit Dhamankar, Manager of Security Research, USA



# Table of Contents

## Part I: Global Communication Information Systems and Services

Sharing Service Resource Information for Application Integration in a Virtual Enterprise – Modeling the Communication Protocol for Exchanging Service Resource Information .....	3
<i>Hiroshi Yamada and Akira Kawaguchi</i>	
Advertising Via Mobile Terminals – Delivering Context Sensitive and Personalized Advertising While Guaranteeing Privacy .....	15
<i>Rebecca Bulander, Michael Decker, Gunther Schiefer, and Bernhard Kölmel</i>	
On Digital Cash-Like Payment Systems .....	26
<i>Daniel A. Nagy</i>	
In-Depth Analysis of Selected Topics Related to the Quality Assessment of E-Commerce Systems .....	39
<i>Antonia Stefani, Dimitris Stavrinoudis, and Michalis Xenos</i>	
A Novel Real-Time Self-similar Traffic Detector/Filter to Improve the Reliability of a TCP Based End-to-End Client/Server Interaction Path for Shorter Roundtrip Time .....	49
<i>Wilfred W.K. Lin, Allan K.Y. Wong, Richard S.L. Wu, and Tharam S. Dillon</i>	
Strategies for Service Composition in P2P Networks .....	62
<i>Jan Gerke, Peter Reichl, and Burkhard Stiller</i>	
End to End Adaptation for the Web: Matching Content to Client Connections .....	78
<i>Kristoffer Getchell, Martin Bateman, Colin Allison, and Alan Miller</i>	

## Part II: Security and Reliability in Information Systems and Networks

Voice Biometrics Within the Family: Trust, Privacy and Personalisation .....	93
<i>Delphine Charlet and Victor Peral Lecha</i>	
Secret Locking: Exploring New Approaches to Biometric Key Encapsulation .....	101
<i>Seny Kamara, Breno de Medeiros, and Susanne Wetzal</i>	

Adaptive Real-Time Network Monitoring System: Detecting Anomalous Activity with Evolving Connectionist System .....	113
<i>Muhammad Fermi Pasha, Rahmat Budiarto, Mohammad Syukur, and Masashi Yamada</i>	
Host Identity Protocol Proxy .....	126
<i>Patrik Salmela and Jan Melén</i>	
Guaranteeing Security of Financial Transaction by Using Quantum Cryptography in Banking Environment .....	139
<i>Solange Ghernaouti-Hélie and Mohamed Ali Sfari</i>	
Optimal Trade-Off for Merkle Tree Traversal .....	150
<i>Piotr Berman, Marek Karpinski, and Yakov Nekrich</i>	
Supporting the Cybercrime Investigation Process: Effective Discrimination of Source Code Authors Based on Byte-Level Information .....	163
<i>Georgia Frantzeskou, Efsthios Stamatatos, and Stefanos Gritzalis</i>	

### Part III: Wireless Communication Systems and Networks

Iterative MMSE Detection for MIMO/BLAST DS-CDMA Systems in Frequency Selective Fading Channels – Achieving High Performance in Fully Loaded Systems .....	177
<i>João Carlos Silva, Nuno Souto, Francisco Cercas, and Rui Dinis</i>	
Flooding Attack on the Binding Cache in Mobile IPv6 .....	187
<i>Christian Veigner and Chunming Rong</i>	
Performance of VoIP over IEEE 802.11G DSSS-OFDM Mode with IEEE 802.11E QOS Support .....	201
<i>Gráinne Hanley, Seán Murphy, and Liam Murphy</i>	
The Robustness of Blocking Probability in a Loss System with Repeated Customers .....	215
<i>Akira Takahashi, Yoshitaka Takahashi, Shigeru Kaneda, Yoshikazu Akinaga, and Noriteru Shinagawa</i>	
On the Evaluation of a Secure Solution to Access 802.11 Networks .....	226
<i>Fernando da Costa Jr., Luciano Gaspary, Jorge Barbosa, Gerson Cavalheiro, Luciano Pfitscher, and José Dirceu G. Ramos</i>	
Searching for Resources in MANETs – A Cluster Based Flooding Approach .....	236
<i>Rodolfo Oliveira, Luis Bernardo, and Paulo Pinto</i>	

A Comparative Study of IEEE 802.11 MAC Access Mechanisms for Different Traffic Types .....	246
<i>Mohammad Saraireh, Reza Saatchi, Samir Al-khayatt, and Rebecca Strachan</i>	
An Automatic Blind Modulation Recognition Algorithm for M-PSK Signals Based on MSE Criterion .....	257
<i>M. Vastram Naik, A. Mahanta, R. Bhattacharjee, and H.B. Nemade</i>	
 <b>Part IV: Multimedia Signal Processing</b>	
Properties of Dominant Color Temperature Descriptor .....	269
<i>Karol Wnukowicz and Wladyslaw Skarbek</i>	
Test Environment for Performance Evaluation of an Internet Radio.....	279
<i>David Melendi, Manuel Vilas, Xabiel G. Pañeda, Roberto García, and Víctor G. García</i>	
<b>Author Index</b> .....	293