

Proceedings

The Second International Conference on the Digital Society ICDS 2008

10-15 February 2008
Saint Luce, Martinique



Los Alamitos, California
Washington • Tokyo



Second International Conference on the Digital Society ICDS 2008

Table of Contents

Preface

Committees

ICDS1: Economics & eCommerce

The E-Mail Honey-pot System – Concept, Implementation and Field Test Results	1
<i>Erwin P. Rathgeb and Dirk Hoffstadt</i>	
Standard Approach for Quantification of the ICT Security Investment for Cybercrime Prevention	7
<i>Rok Bojanc and Borka Jerman-Blaž</i>	
Towards Organizational Privacy Patterns	15
<i>Jan Porekar, Aljoša Jerman-Blaž and Tomaž Klobučar</i>	
Spam Mail Reduces Economic Effects	20
<i>Toshihiko Takemura and Hiroyuki Ebara</i>	
Coordination of a Multi-commodity Supply Chain with Multiple Members Using Flow Networks	25
<i>Kaveh Fayazbakhsh and Mohammadreza Razzazi</i>	

ICDS2: Disruptive and Enabling Technologies

Design and Implementation Of Embedded Data Acquisition System Based on USB and Flash Multimediacard Memory	31
<i>Zhiyong Zhang, Tiejun Lu, Xiaobin Chu, and Yamin Zhang</i>	
Analysis of Internet Policies and Civil Rights In Italy, Serbia and Burma-Myanmar: A Technological and Legal Approach	35
<i>Marcella Atzori, Francesco Aymerich, Gianni Fenu, and Simone Surcis</i>	
'Who's Afraid of High Def?' Institutional Factors Influencing HDTV Diffusion in the Netherlands	42
<i>Eva Baaren, Lidwien van de Wijngaert, and Erik Huizer</i>	

Digital Networks and Sustainability: Do We Need the Government?	49
<i>Radhika Rajagoplan and Runa Sarkar</i>	
A Multi-issue Negotiation Mechanism with Interdependent Negotiation Issues	55
<i>Ahmad Kardan and Hamed Janzadeh</i>	

ICDS3: EKNOW

Analysis of Automated Evaluation for Multi-document Summarization Using Content-Based Similarity	60
<i>Li-Qing Qiu and Bin Pang</i>	
Monitoring Flexicurity Labour Market Policies in the European Union	64
<i>Andranik Tangian</i>	
Knowledge Management for Disparate Etruscan Cultural Heritage	70
<i>John McAuley and James D. Carswell</i>	
View-Point Oriented Manipulation of Concepts: A Matching Perspective	75
<i>Kambiz Badie and Maryam Tayefeh Mahmoudi</i>	
Towards a Collection-Based Knowledge Representation: Application to Geo-political Risks and Crisis Management	81
<i>Francis Rousseaux and Kevin Lhoste</i>	

ICDS4: TELEMED

Mining Medical Databases Using Proposed Incremental Association Rules Algorithm (PIA)	88
<i>Laila Elfangary and Walid Adly Atteya</i>	
Preliminary Based Service Evaluation for Elderly People and Healthcare Professionals in Residential Home Care Units	93
<i>J. Reerink Boulanger and C. Deroussent</i>	
Enabling Cross-Usage of Public Health Systems - A Holistic Approach to Ask the Expert Systems and Online Communities	102
<i>Åsa Smedberg</i>	
Migration from Regional to a National eHealth Network	107
<i>Kari Harno, Pekka Ruotsalainen, Pirkko Nykänen, and Kyösti Kopra</i>	

ICDS5: Internet & Management Control

A Semantic Double-Buffer Based Approach to Enhance Semantic Web Search	111
<i>Ling Chen, Hai Jin, and Sheng Di</i>	
The Facility Control Markup Language FCML	117
<i>François Bry, Bernhard Lorenz, Hans Jürgen Ohlbach, Martin Roeder, and Marc Weinberger</i>	
A Uniform Web Service Description Representation for Different Readers	123
<i>Doris Gälle, Christian Kop, and Heinrich C. Mayr</i>	
Human Rights in the Context of the Digital Society - Input to an Ongoing Discussion on Regulatory Issues	129
<i>Lasse Berntzen and Evika Karamagioli</i>	

ICDS6: Digital Analysis

MV-FT: Efficient Implementation for Matrix-Vector Multiplication on FT64 Stream Processor	134
<i>Jing Du, Fujiang Ao, and Xuejun Yang</i>	
X-Gov Planning: How to Apply Cross Media to Government Services	140
<i>Lucia V. L. Filgueiras, Danilo O. Correa, João S. Oliveira Neto, and Renato P. Facis</i>	
Multi-source Illumination Approach for Buried Objects Exploration	146
<i>Lamia Hélaoui, Jamel Bel Hadj Tahar, and Fethi Choubani</i>	

ICDS7: Networking & Telecommunications

Reliable Server Pooling – A Novel IETF Architecture for Availability-Sensitive Services	150
<i>Thomas Dreibholz and Erwin P. Rathgeb</i>	
A Password-Based Grid Security Infrastructure	157
<i>Zhun Cai</i>	
Security Arguments for a Class of ID-Based Signatures	165
<i>Zhengwei Guo, Xinzheng He, and Baocheng Xun</i>	
A New Server Selection Strategy for Reliable Server Pooling in Widely Distributed Environments	171
<i>Xing Zhou, Thomas Dreibholz, and Erwin P. Rathgeb</i>	
Analysis of Reverse Traffic in Delay-Based Congestion Control	178
<i>Sheng Wang and Jinshu Su</i>	
Analysis and Enhancement of Delay-Based Congestion Control	184
<i>Sheng Wang and Jinshu Su</i>	
Reduced Complexity Decoder for Orthogonal Space-Time Codes When Using QAM Constellations	190
<i>Andrei Alexandru Enescu, Silviu Ciochin, and Constantin Paleologu</i>	

Author Index