

ICCGI Preliminary Program

IPv6TD1

2

6TO4 vs. TunnelBrokers Carlos Friaças, Miguel Baptista, Mónica Domingues, Paulo Ferreira

10

SHISA: IPv6 Mobility Framework for BSD Operating Systems Keiichi Shima, Ryuji Wakikawa, Koshiro Mitsuya, Tsuyoshi Momose, Keisuke Uehara

11

Testing and verifying an IPv6 based multicast network Vilmos Bilicki

12

Study of IPv6 Multicast Deployment in MPLS Networks Wim Verrydt, Ciprian Popoviciu

13

IPv6 as a Practical Solution to Network Management Challenges Ciprian Popoviciu, Petre Dini

IPv6TD2

27 Bulk Transfer Capacity Estimation in IPv6 Networks Robert Gardner, Francisco Garcia

94

QoS and IPv6 Infrastructure for Industrial Control Applications Ramona Marfievici, Gheorghe Sebestyen, Anca Pop-Bidian

122 A Monitoring Approach for Safe IPv6 Renumbering Frederic Beck, Isabelle Chrisment, Olivier Festor

125 Determinants of IP Version 6 Adoption Anat Hovav, Yoo Jung Kim

119

An Approach for the Administration and Security of IPv6 Transition Mechanisms: An SNMP MIB for 6to4 Georgios Koutepas, Athanasios Douitsis, Demetris Philippides, Vasilis Maglaris

ICCGI1: Special Topics

8

Multi-Attribute Decision Making E-Course Cornel Resteanu, Marius Somodi, Bogdan Alexe

19

Eye Location Under Various Illumination Conditions Geng Du, Fei Su, Anni Cai

34

The state of e-Government and e-Participation in European Regions Eugenio Fernandez, Gonzalo Arevalo, Jesus Alberto Messias de la Cerda

62

Using mixed VR/AR technologies in education Dorin Mircea Popovici, Luca-Dan Serbanati

70

Content-Based Image Query on Color Feature in the Image Databases Obtained from DICOM Files

Liana Stanescu, Dumitru Dan Burdescu, Anca Ion, Marius Brezovan

108

Numerical computation and approximation of the locations and amplitudes of the extrema of $(\sin^2 x)/x$ Jean Le Bihan

ICCGI2: Mobility and Multimedia

15

Using Communication Genre for seaching with Small Display Devices Carlos Costa, Manuela Aparicio

38 Delivery Context Access for Mobile Browsing Sailesh Sathish, Olli Pettay Peer-to-Peer Platform for Anytime / Anywhere Connectivity in Educational Environments Josephine KOHLENBERG, Mahendiran PRATHABAN, Sandoche BALAKRICHENAN

81

A Network-aware Scalable Video Congestion Control Mechanism in Heterogeneous Wireless Networks Fan Yinglei, Su Fang, Xu Huimin

ICCGI3: Services

29

Service-aware Overlay Adaptation in Ambient Networks Lawrence Cheng, Kerry Jean, Roel Ocampo, Alex Galis

99

Layering Model and Fault Detection Algorithm for Internet Services Xiaohui Huang, Shihong Zou, Wendong Wang, Shiduan Cheng

109

Key Issues in the Optimization of Runtime Processes for Dynamic Provisioning of Ubiquitous Services Sorin M. Iacob, Mortaza S. Bargh

ICCGI4: Computation

37Formal Models of Appeal and Its Evaluation in Argumentation-based Negotiation of AgentWu Jinghua, Jiang Guorui, Huang Tiyun

54 Learning decision trees with Genetic Programming Wing-Ho Shum, Kwong-Sak Leung, Man-Leung Wong

58 Complex vs. Intensive in Parallel Computation Mihaela Malita, George Stefan, Marius Stoian

79

Towards a Flexible Middleware for Autonomous Integrated Management Applications

Mehdi Kessis, Pascal Dechamboux, Claudia Roncancio, Therry Coupaye, Alexandre Lefebvre

ICCGI5: Software Development

40

An Authoring Tool for Adaptive Assessment Items Héctor Barbosa León, Francisco García Peñalvo

92

MetaCET: An Object Oriented Tool for Language Design Francisco Gortzar, Micael Gallego, Abraham Duarte

106

Toward a Concern-Oriented Analysis Method for Enterprise Information Systems Crenguta Bogdan, Luca Dan Serbãnati

115 Implementing Logic Wrappers Using XSLT Stylesheets Amelia Badica, Costin Badica, Elvira Popescu

ICCGI6: Industrial Systems I

42

Design and Implementation of an Instructional Foundation Fieldbus-based Pilot Plant Javad karami, Karim Salahshoor

52

Integrated approach for optimizing service level and reproduction point under stochastic demand

Zhao Yong-quan, Lu Li-bin, Fang Shu-fen

68

Performance Monitoring and Visualization of Large-Sized and Multi-Threaded Applications with the Pajé Framework Mehdi Kessis

75 Connection Migration Mechanisms in a Cluster Environment Leila Ismail

ICCGI7: Industrial Systems II

84 SmartWellOnto: An Ontology for Smart Wells Mihaela M. Oprea Mariea Marcu Mihai Pascu Coloja

91

Performing Verification and Validation for KT-OSS Development Dae-Woo Kim, Hyun-Min Lim, Sang-Kon Lee

113

Toward Reconciling Availability, Consistency and Integrity in Replicated Information Systems

H. Decker, F.D. Munoz-Escoi, J.E. Armendariz-Inigo

121

Coupling Latency Time to the Throughput Performance Analysis on Wireless CAN Sofiene DRIDI, Bechir GOUISSEM, Salem HASNAOUI, Houria REZIG

ICCGI8: Internet and web

43

Distributed Cache System for Large-Scale Networks Mikio Kataoka, Hideki Okita, Junji Yamamoto, Kunihiko Toumura, Toshiaki Suzuki

59

Between Web and Grid-based Mathematical Services Dana Petcu

104 BitTorrent Traffic Characteristics David Erman, Dragos Ilie and Adrian Popescu

117

A Semantically-enhanced Component-based Architecture for Software Composition Juan Miguel Gomez, Sung-Kook Han, Ioan Toma, Brahmananda Sapkota, Angel Garcia-Crespo

ICCGI9: Knowledge and context I

44

Support Vector Machines Optimization - An Income Prediction Study Alina Lazar, Robert Zaremba

80 Context Provisioning for Future Service Environments Dana Pavel, Dirk Trossen

82

Contextualisation of Management Overlays in Ambient Networks Kerry Jean, Lawrence Cheng, Roel Ocampo, Alex Galis

ICCGI10: Knowledge and context II

89

Low Dynamics RLSL Adaptive Algorithm Using A Priori Estimation Errors C. Paleologu , S. Ciochina, A.A. Enescu

95

Naive Bayes Web Page Classification with HTML Mark-up Enrichment Victor Fresno, Raquel Martinez, Soto Montalvo, Arantza Casillas

97

Context-Aware Mobile Tour Guide Kaiyu Wan, Vasu Alagar

ICCGI11: Biotechnologies

45

Local Alignment of DNA Sequences with the Connex Array Dominique Thiebaut, Gheorghe Stefan, Mihaela Malita

76

Identifying Transcription Factor Binding Sites in Promoters of Human Genes Wei Shi, Wanlei Zhou

96

Information Technology in Health Care Systems: Barriers to Adoption Stefanos Zenios

ICCGI12: Network technologies I

46

Requirements for Next Generation Middleware Implementations Kavi Kumar Khedo

57 A New Algorithm for Network Anomaly Detection Jun Lv, Xing Li

87 Multiprotocol Label Switching Meta-Frames Radu Dragos, Martin Collier Reliable Architecture for Power System Operational Communications Alessandro Garibbo, Laura Petrolino, Giancarlo Caroti, Francesco Rufino

ICCGI13: Network technologies II

90

Supplementary Interworking Architecture for Hybrid Data Networks (UMTS-WiMAX) Shahbaz Khan, Shoaib Khan, Sahibzada Ali Mahmud, Dr. Hamed Al-Raweshidy

98

An Approach to Optimizations Links Utilization in MPLS Networks M.K Huerta, X. Hesselbach, R.Fabregat

100

Research on Symmetric NAT Traversal in P2P applications Yong Wang, Zhao Lu, Junzhong Gu

120 Broadband access to university students in Greece Athanassios Liakopoulos

ICCGI14: Security I

49

Strengthening Elliptic Curve Digital Signature Algorithm To Be More Suitable To Mobile Networks Komathy K., Narayanasamy P.

53 Intrusion Detection on Grid Fang-Yie Leu, Ming-Chang Li, Jia-Chun Lin

55 **DNSSEC** Operational Impact and Performance Alexis Guillard

61 E-learning: Biometrics as a Security Factor Kornelije Rabuzin, Miroslav Baca, Mario Sajko

ICCGI15: Security II

88

An Intrusion Surveillance System to Detect IRC-based DDoS Attacks Yang Xiang, Wanlei Zhou

65

An Analytical Model for DDoS Attacks and Defense Yang Xiang and Wanlei Zhou

78

A mobile based approach to strong authentication on web Gianluigi Me, Daniele Pirro, Roberto Sarrecchia

105

Analysis of SMTP Connection Characteristics for Detecting Spam Relays PJ Sandford, JM Sandford, DJ Parish

64