Control in Interdisciplinary Systems - Invited Session
Organizer: Chan Ham and Ki Hwan Eom (USA)

Eom, Ki-Hwan; Namgung, Uk; Jung, Kyung-Kwon (South Korea): "Bandwidth Control of ASK System Using the Fuzzy Logic System" 1

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Control Systems Models and their Role in Understanding Ocular Motor Mechanisms of Function and Dysfunction - Invited Session
Organizer: Louis F. Dell’Osso (USA)

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Next Generation Network Application in Intelligent Transportation System - Invited Session
Organizer: Zhiheng Li and Houli Duan (China)

Chen, Yudong; Li, Zhiheng; Zhang, Yi (China): "A Framework of Traffic Information Platform Based on IPv6"

Duan, Houli; Li, Zhiheng; Wang, Wei; Junaid, Khan M. (China): "Transportation Facilities Management Model Based on IPv6"

Fu, Yi; Yao, Danya (China): "Basic Models of Urban Signalized Intersection in Developing Country"

Wan, Ke; Zhang, Zuo; Ma, Daosong (China): "Simulation Analysis of Urban Traffic Issues in China"

Zhuoqing, Wu; Yi, Zhang (China): "Athletes Tracking in Diving Training Videos"

Communication and Network Systems, Technologies and Applications

Avdhani, P. S.; Lakshmi Jagadamba, P. V. S. (India): "Implementing Shared Generation of RSA Keys"

Gyires, Tibor (USA): "An Adaptive Process Allocation Scheme in Grid Environment"

Han, Minho; Kim, Kiyoun; Jang, Jongsoo (South Korea): "The Implementation of IPSec Application Using IXP2850 Network Processor"

Hao, Liming; Lu, Songnian; Yang, Shutang (China): "Towards a Trust Model in P2P System Based on Trusted Computing"

Li, Xie-Hua; Yang, Shu-Tang; Li, Jian-Hua; Zhu, Hong-Wen (China): "Automatic Analyzer for Security Protocol Verification"

Prieto, David (Italy): "Increasing the Impact of ICT in Regional Economy through a Virtuous Integration of Research, Enterprise and Venture Capital"

Wu, Qiong; Yoshinaga, Hirokazu; Koyanagi, Keiichi (Japan): "A Small-World Caching Strategy for P2P Storage System"
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Gu, Jun; Rui, Yannian; Jiang, Xiaomei; Zhao, Kui (China): "Fault Diagnosis for High-Speed Rod-Rolling Mill Using Neural Network"

Hrusak, Josef; Mayer, Daniel; Stork, Milan (Czech Republic): "New Approach to Non-Linear Instability and Chaos Based on Generalized Tellegen's Principle"

Jeon, Jong-Hag (South Korea): "Development of Multi-Stage Combustion Pattern Control System in Hot Stove Using Data Mining"

Prieto, David (Colombia): "A Satellite Attitude Control as a Functional Optimization Problem Over LMI Constraints"


Rui, Yannian; Gu, Jun; Zhu, Hui; Chen, Yexiang (China): "Trajectory Planning for Spherical Robot Using Ant Algorithm"

Stork, Milan; Hrusak, Josef; Mayer, Daniel (Czech Republic): "Chaos and Strange Behavior Detection of Continuous and Digital Nonlinear Systems Based on Internal System Energy Autocovariance"

Stubberud, Stephen C.; Kramer, Kathleen A. (USA): "Aggregation of Composition States for Markov Estimation in Level 2 Fusion"

Intelligent Robots

Kobayashi, Futoshi; Kojima, Fumio (Japan): "Position Correction Based on Knowledge Sharing with Dependability in Multi-Robot Exploration"

Luh, Guan-Chun; Liu, Wei-Wen (Taiwan): "Dynamic Mobile Robot Navigation Using Potential Field Based Immune Network"

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Mechatronics

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Yan, Mu-Tian; Chen, Yil; Yen, Ping-Lang (Taiwan): "Tracking Control of a Piezoceramic Actuator System Using a Combined Self-Tuning Regulator and Phase-Lead Compensator"
Network Security and Security Technologies

Hong, Sung Hyuck (USA): "The Software Architecture of a Secure and Efficient Group Key Agreement Protocol"

Horng, Shi-Jinn; Huang, Guan-Chi; Luo, Wen-Yang (Taiwan): "Protecting Web Server from DDoS Attacks Using Three-Layer Detection Mechanism"

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Lee, Seung Il; Jun, Eun Hyun; Lee, Jin Taek (South Korea): "A Practical Method to Detect Spoofed DDoS Traffic and Its Source on the Enterprise Network"

Li, Feng; Ma, Jin; Li, Jian-Hua (China): "RBAC Session Management with Ticket"

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Shi, Yijuan; Li, Jianhua; Shi, Jianjun (China): "Certificateless Public Key Encryption from the Weil Pairing"

Shi, Yijuan; Li, Jianhua (China): "Efficient ID-Based Deniable Authentication Protocols"


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Imamura, Nobuaki; Yamaoka, Seiichi; Shirsawa, Hidenori; Nakamoto, Hiroyuki (Japan): "Development of a Multi-Fingered Mechanical Hand with Envelope Grasp Capability for Various Shapes of Parts"

Kang, Hyun-Deok; Jo, Kang-Hyun (South Korea): "3D Reconstruction of Planar Objects Using the Properties of Plane and Vanishing Points from a Single Panoramic Image"
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