

ADSN 2008 Advance Program Rev. 2.2 PM9:00 Feb. 12, 2008
(June 20, 2008, Beijing, China)

The Seventh International Workshop on Assurance in Distributed Systems and Networks

- 9:00 – 9:10 Opening General Chair: Kinji Mori (Tokyo Institute of Technology, Japan)
PC Chair: Yongdong Tan (Southwest Jiaotong University., China)
- 9:10 – 10:50 Session 1: Dependable Computing (Chair: Kenji Ishida, Hiroshima City University, Japan)
- 9:10 – 09:50 Invited Speech
Coverage Based Testing for Concurrent Software
Juichi Takahashi (Sony Co., Japan), Hideharu Kojima (Hiroshima City University, Japan), Zengo Furukawa (Kagawa University, Japan)
- 09:50 – 10:50
Automated Addition of Fault-Tolerance to SCR Toolset: A case study
Fuad Abujarad, Sandeep S. Kulkarni (Michigan State University, USA)
Improving routing reliability on wireless sensors network with emergency paths
Bastien Mainaud, Mariem Zekri and Hossam Afifi (National Institute of Telecommunication, France)
- 10:50 – 11:10 Coffee Break
- 11:10 – 12:40 Session 2: Autonomous Decentralized Architecture (Chair: TBD)
On Robotics Applications in Service-Oriented Architecture
Yinong Chen (Arizona State University, USA) and Xiaoying Bai (Tsinghua University, China)
Autonomous Decentralized VoD Architecture to Achieve Service Assurance
Xiaodong Lu, Kinji Mori (Tokyo Institute of Technology, Japan)
Autonomous Decentralized Community Construction Technology for High Quality Information Service
Khalid Mahmood, Yuuya Kanamaru, Xiaodong Lu and Kinji Mori (Tokyo Institute of Technology, Japan)
- 12:40 – 13:30 Lunch
- 13:30 – 15:00 Session 3: Networking (Chair: TBD)
An Autonomous Clustering-Based Hierarchical Routing Using Decentralized Route Information Management Scheme for Mobile Ad Hoc Networks
Ryotaro ODA, Tomoyuki OHTA, and Yoshiaki KAKUDA (Hiroshima City University, Japan)
Route-Split Routing with Resiliency to Simultaneous Failure for Mobile Ad Hoc Networks
Tsuyoshi MIZUMOTO, Tomoyuki OHTA, and Yoshiaki KAKUDA (Hiroshima City University, Japan)
A Novel Railway Signal Control System Based on the Internet Technology and an Assurance Technology
Takashi Kunifuji, Tadao Miura, Gen Kogure (East Japan Railway Company, Japan), Hiroyuki Sugahara (Railway Technical Research Institute, Japan) , Masayuki Matsumoto (East Japan Railway Company, Japan)
- 15:00 – 15:20 Coffee Break
- 15:20 – 16:50 Session 4: Scheduling (Chair: TBD)
A New Scheduling Algorithm for Distributed Streaming Media System based on Multicast
Yunpeng Chai*, Zhihui DU*, Yinong CHEN (Arizona State University, USA), Sanli LI* (*Tsinghua University, China)
A File Fetching Method to Reduce the Redundant Traffic on Bit Torrent-like P2P Networks
Junichi FUNASAKA, Akihiko ISHIDU, and Kenji ISHIDA (Hiroshima City University, Japan)
Virtual Workspace Based Job Execution Methods and Dynamic Makespan Optimized Scheduling Algorithms
Zhili Cheng*, Zhihui Du*, Yinong Chen(Arizona State University, USA), and Xiaoying Wang * (*Tsinghua University, China)
- 16:50 – 17:00 Closing Vice Chair: Yoshiaki Kakuda (Hiroshima City University, Japan)