

Program of the Eleventh International Workshop on Assurance in Distributed Systems and Networks (ADSN2012)

Macau, China June 18, 2012

08:50–09:00 **Welcome Address**
General Chair: Kinji Mori

09:00–10:00 **Session 1: Assurance Networks**
Chair: Masaki Aida

On studying Relationship between Altruism and the Psychological Phenomenon of Self-deception in Rational and Autonomous Networks

Yufeng Wang, Athanasios V. Vasilakos and Jianhua Ma

Security and Dependability Enhancement of Wireless Sensor Networks with Multipath Routing Utilizing the Connectedness of Joint Nodes

Anri Kimura, Eitaro Kohno and Yoshiaki Kakuda

10:00–10:30 Coffee Break

10:30–12:00 **Session 2: Assurance-driven Routing and**
Chair: Hidenori Nakazato

An Inter-Domain Routing for Heterogeneous Mobile and Address Sharing

Shohei Fujiwara, Tomoyuki Ohta and Yoshiaki Kakuda

On Convergence Rate of Autonomous Decentralized Clustering in Ad Hoc Networks

Kenji Takagi, Yusuke Sakumoto, Chisa Takano and Masaki

Autonomous Local Coordination Technology for Congestion

Md. Emdadul Haque, Xiaodong Lu and Kinji Mori

12:00–13:30 Lunch

14:00–15:30 **Session 3: Dependable Computing**
Chair: Yufeng Wang

Failure Detection in P2P-Grid Environments

Wang Huan and Nakazato Hidenori

Gateway Access Permission Technology for High Assurance

Khalid Mahmood, Hironao Takahashi and Yasukai Arakawa

Replica Voting based Mechanisms for Dissemination of Multi-modal Surveillance Data

Kaliappa Ravindran and Mohammad Rabby

15:30–16:00 Coffee Break

16:00–17:30 **Session 4: Modeling and Architectures**

Chair: Chisa Takano

Realization of Flexible Railway System by Autonomously Integrating Architecture of Heterogeneous Real-time Property

Takashi Kunifuji and Hiroshi Ito

CEI: A Cost-Effective Intelligent Configuration Model in Cloud Computing

Wei-Tek Tsai, Guanqiu Qi and Yinong Chen

Modeling and Automating Analysis of Server Duty and Client Obligation for High Assurance

Chin-Tser Huang and Vipul Gupta

17:30–17:40 **Closing Remarks**

Vice Chair: Yoshiaki Kakuda