

Final Program of the Twelfth International Workshop on Assurance in Distributed Systems and Networks (ADSN2013)

July 8, 2013

08:30-08:35

Welcome Address

Program Chair: Chin-Tser Huang

08:35-10:00

Session 1: Assurance in Wireless Networks

Chair: Supratik Mukhopadhyay (Louisiana State University)

Guaranteeing Asymptotic Stability of Clustering for MANET by Autonomous Decentralized Structure Formation Mechanism Based on Local Interaction. Ryo Hamamoto (Hiroshima City University), Chisa Takano (Hiroshima City University), Kenji Ishida (Hiroshima City University) and Masaki Aida (Tokyo Metropolitan University)

Assuring Location Estimation Accuracy of Anchor-free Mobile Localization in Wireless Sensor Networks. Zulfazli Hussin (University of Hyogo) and Yukikazu Nakamoto (University of Hyogo)

A Path Authenticating Method Using Bloom Filters Against Impersonation Attacks on Relaying Nodes for Wireless Sensor Networks. Noriaki Tanabe (Hiroshima City University), Eitaro Kohno (Hiroshima City University) and Yoshiaki Kakuda (Hiroshima City University)

10:30-12:30

Session 2: Assurance in Data Processing

Chair: Kenji Ishida (Hiroshima City University)

Using Bytecode Instrumentation to Secure Information Flow in Multithreaded Java Applications. Mohamed Sharaf (University of South Carolina), Jie Huang (University of South Carolina) and Chin-Tser Huang (University of South Carolina)

Distributed Multilevel Secure Data Stream Processing. Xing Xie (Colorado State University), Indrakshi Ray (Colorado State University), Waruna Ranasinghe (Colorado State University), Philips Gilbert (Colorado State University), Pramod Shashidhara (Colorado State University) and Anoop Yadav (Colorado State University)

A Type-theoretic Framework for Automated Synthesis of Workflows in Service-oriented Computing. Manuel Peralta (Louisiana State University), Supratik Mukhopadhyay (Louisiana State University) and Ramesh Bharadwaj (Naval Research Laboratory)

Timeout Reduction Method for Multistream Segmented Download Using PR-SCTP. Junichi Funasaka (Hiroshima City University), Jun Katsube (Hiroshima City University) and Kenji Ishida (Hiroshima City University)

12:30-13:30

Lunch

13:30-14:50

Session 3: Panel Discussion on Assurance in Future Distributed Systems and Networks

Coordinator: Chin-Tser Huang (University of South Carolina)

Panelists: Yoshiaki Kakuda (Hiroshima City University), Keesook J. Han (U.S. Air Force Research Laboratory), Wojciech Golab (University of Waterloo)

14:50-15:00

Closing Remarks

Vice Chair: Yoshiaki Kakuda