



SASWIM 2015

The First International Workshop on Service Assurance in System Wide Information Management

March 25-27, 2015 Taichung, Taiwan

This workshop will be held in conjunction with the 12th International Symposium on
Autonomous Decentralized Systems (ISADS 2015, <http://isads2015.asia.edu.tw/>)

General Co-Chairs

Remzi Seker, Embry-Riddle
Aeronautical University, USA
Tadashi Koga, ENRI, Japan

Program Committee Co-Chairs

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Xiaodong Lu, ENRI, Japan
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Takao Okubo, Institute of
Information Security, Japan
Ming Qi, CAAC/ATMB, China
Yasuto Sumiya, ENRI, Japan

Important Dates:

Paper submission due:
October 31, 2014

Author notification:
November 30, 2014

Final manuscript due:
December 31, 2014

Contact information of the workshop organizer:

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Scope:

With the advancement of business globalization and technology standardization, the requirement for constructing an “interoperability environment” which allows different stakeholders and heterogeneous systems to cope with the full complexity of real-time operational information exchanges has been increasing. To achieve harmonized and collaborative operation, the System Wide Information Management (SWIM) concept has been proposed and has been applying in the current Global Air Traffic Management (ATM) System. Service Assurance in the SWIM is defined as capability of guaranteeing the quality of data, information and service provision and utilization during the entire life cycle of a mission critical operation system under heterogeneous and changing requirements.

The objective of the Workshop is to provide the premier interdisciplinary forum for academic and industry professionals to discuss recent progress in the area of system and network architecture, software implementation, test-bed developments, experiments, evaluation and analysis of SWIM concept based global ATM integration and related applications.

Topics of interest for this workshop include, but are not limited to:

- SOA and Cloud technologies for service assurance
- Communication and network technologies for service assurance
- Modeling, simulation, evaluation, validation and analysis of SWIM concept based applications
- Data, information and service management
- Safe and secure air transportation system
- Security issues for information management
- Aircraft/airline operation for service assurance
- Air/ground integration
- Trajectory based operations
- Surveillance and situational awareness
- Improved environmental performance
- Aviation related data, information and service delivery
- System level standardization

Information for Authors:

Prospective authors are invited to submit full papers (IEEE double-column conference paper format, 6 pages) to describe original work (not submitted or published elsewhere). Authors are also invited to submit digest papers (IEEE double-column conference paper format, 2-4 pages) to showcase results recently obtained in industry or academia. All accepted papers will be presented at the conference and published in the ISADS 2015 Proceedings. At least one of the authors of each accepted paper must register and present the paper at ISADS 2015. Authors must submit their manuscripts electronically following the instructions at the ISADS 2015 web site at: <http://isads2015.asia.edu.tw> and choose the SASWIM2015 workshop when submitting.