

## Call for Papers



# The Third International Workshop on Service Assurance in System Wide Information Management

April 8-10, 2019 Utrecht, the Netherlands

This workshop will be held in conjunction with the 14th International Symposium on  
Autonomous Decentralized Systems (ISADS 2019, <http://www.isads2019.org>)

### General Co-Chairs

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

### Program Committee Co-Chairs

Radu Babiceanu, Embry-Riddle  
Aeronautical University, USA  
Xiaodong Lu, ENRI, Japan

### Program Committee

(Being formed)

Noor Ahmed, AFRL, USA  
Junaid Chaudhry, Embry-Riddle  
Aeronautical University, USA  
Atsushi Kanai, Hosei University,  
Japan  
Jiseok Kang, Aviation Research  
Institute, Korea  
Carlos Morales, University of  
Granada, Spain  
Ming Qi, CAAC/ATMB, China  
Houbing Song, Embry-Riddle  
Aeronautical University, USA  
Yasuto Sumiya, ENRI, Japan  
Zhijun Wu, Civil Aviation University  
of China, China

### Important Dates:

Paper submission due:  
November 30, 2018

Author notification:  
January 18, 2019

Final manuscript due:  
February 15, 2019

### Contact information of the workshop organizer:

Xiaodong Lu, ENRI, Japan  
[luxd@mpat.go.jp](mailto:luxd@mpat.go.jp)

### Scope:

With the advancement of business globalization and technology standardization, the requirement for constructing a “collaborative 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 interoperable and harmonized 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 2019 Proceedings. At least one of the authors of each accepted paper must register and present the paper at ISADS 2019. Authors must submit their manuscripts electronically to <https://easychair.org/conferences/?conf=saswim2019>.