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***Ground/Air Multisensor
Interoperability, Integration, and
Networking for Persistent ISR VIII***

**Tien Pham
Michael A. Kolodny**
Editors

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Introduction

This was the eighth year that Ground/Air Multisensor Interoperability, Integration, and Networking for Persistent ISR was part of the SPIE Defense and Commercial Sensing symposium. The conference was held this year from 9-13 April, in Anaheim, California. The goal of the conference is to bring together the technical, operational, (users) and policy community to provide a forum for discussion of problems, issues, and technology involving interoperability for persistent ISR. This conference focuses on promoting and advancing technology and interoperability for persistent ISR resulting in enhanced situational understanding for the warfighter decision makers!

The conference included 54 technical papers with oral presentations spread over twelve different session topics: Coalition Operations and Interoperability; Internet of Things (IoT) Applications; Anomaly Determination and Deep Learning Analytics; Human-machine Interface and Machine Learning Approaches I & II; Detection, Tracking and Localization for Persistent Surveillance; Modeling & Simulation and Enabling Technologies I & II; Optimization of Utility of ISR Assets; ISR Airborne Imaging/Sensing; ISR Vehicle Steering/Control; and ISR Image Processing.

We hope you find the proceedings both provocative and informative. We are looking forward to an even more exciting conference in 2018 which will be held 15-19, April, in Orlando, Florida. We are planning some exciting events which will include a holistic and provocative panel discussion on Situational Awareness and joint sessions with several other conferences. We hope that everyone will join us then.

Tien Pham
Michael A. Kolodny

