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Contents

v *Conference Committee*
vii *Introduction*

SELF-ORGANIZING, COLLABORATIVE, AND UNMANNED ISR ROBOTS: JOINT SESSION WITH CONFERENCE 7692

7707 03 **Fuel cell systems for long duration electric UAVs and UGVs** [7707-04]
J. Baldic, P. Osenar, N. Lauder, P. Launie, Protonex Technology Corp. (United States)

7707 04 **Whole-body task energy metrics for robots performing useful work in unstructured environments** [7707-05]
A. Hofmann, D. Theobald, Vecna Technologies, Inc. (United States)

COMMUNICATION NETWORKS AND DYNAMIC SPECTRUM ACCESS

7707 05 **Software defined radio based multi-carrier multi-function waveform for cognitive radio (Invited Paper)** [7707-06]
R. Zhou, X. Li, Wright State Univ. (United States); V. Chakravarthy, Air Force Research Lab. (United States); Z. Wu, Wright State Univ. (United States)

7707 06 **Efficacy of compressive sensing for dynamic spectrum access** [7707-07]
O. Odejide, A. Annamalai, C. Akujuobi, Prairie View A&M Univ. (United States)

7707 07 **Wideband signal detection using a Nyquist folding analog-to-information receiver in multipath fading environments** [7707-08]
O. Odejide, A. Annamalai, C. Akujuobi, Prairie View A&M Univ. (United States)

7707 08 **Congestion game model for efficient utilization of spectrum** [7707-09]
Y. B. Reddy, H. Smith, Grambling State Univ. (United States)

7707 09 **A fuzzy logic approach to cross-layer route optimization in multi-hop CRNs** [7707-10]
R. Murawski, E. Ekici, The Ohio State Univ. (United States); R. W. Thomas, Air Force Institute of Technology (United States)

7707 0B **Multiple UAV tomography based geolocation of RF emitters** [7707-12]
D. Walter, J. Klein, J. Kaupert, Rose-Hulman Institute of Technology (United States); C. Bullmaster, V. Chakravarthy, Wright Patterson Air Force Base (United States)

7707 0C **Dynamic spectrum access in wireless ad hoc networks: issues and possible solutions** [7707-13]
Z. Zhang, T. Soni, Argon ST, Inc. (United States)

7707 0D **Quality of service for tactical wireless networks** [7707-14]
R. Ordower, N. Newman, J. Myrtle, SAIC (United States)

7707 0E **Distributed game-theoretic topology control in cognitive networks** [7707-15]
E. van den Berg, M. A. Fecko, S. Samtani, C. Lacatus, Telcordia Technologies, Inc. (United States); M. Patel, U.S. Army CERDEC (United States)

NET-CENTRIC ARCHITECTURES AND INFORMATION ASSURANCE

7707 0G **Building net-centric data strategies in support of a transformational MIW capability (Invited Paper)** [7707-17]
M. A. Cramer, Mine Warfare Program Office (United States); J. Stack, Office of Naval Research (United States)

7707 0H **Locative view: visualizing geo-referenced objects in space** [7707-18]
M. Carlotto, M. Nebrich, P. Hylton, General Dynamics Advanced Information Systems (United States)

7707 0I **System approach to distributed sensor management** [7707-19]
G. Mayott, U.S. Army Night Vision & Electronic Sensors Directorate (United States); G. Miller, J. Harrell, J. Hepp, Oakwood Controls, Corp. (United States); M. Self, CACI Technologies, Inc. (United States)

7707 0K **Resource brokering service: timely and efficient information resource allocation** [7707-21]
D. J. Van Hook, M. Ljungberg, R. Shaw, M. Ford, E. Aubin, MIT Lincoln Lab. (United States); E. Konieczny, D. H. Lee, S. T. Brown, Booz Allen Hamilton (United States)

7707 0M **Security core to the edge: securing critical information through enhanced Cross Domain Systems (CDS) to the tactical edge** [7707-23]
B. S. Farroha, TASC, Inc. (United States); D. L. Farroha, M. M. Whitfield, U.S. Dept. of Defense (United States)

7707 0N **Metrics for measuring net-centric data strategy implementation** [7707-24]
J. B. Kroculick, Winifred Associates (United States)

7707 0O **Enterprise systems security management: a framework for breakthrough protection** [7707-26]
B. S. Farroha, TASC, Inc. (United States); D. L. Farroha, U.S. Dept. of Defense (United States)

SENSOR NETWORKS AND COMMUNICATIONS I: JOINT SESSION WITH CONFERENCE 7694

7707 0Q **Co-evaluation computation-based distributed intrusion detection system** [7707-28]
J. Su, P. Qiao, T. Li, Harbin Univ. of Science and Technology (China)

Author Index

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1 Self-Organizing, Collaborative, and Unmanned ISR Robots: Joint Session with Conference 7692
Grant R. Gerhart, U.S. Army Tank-Automotive Research, Development and Engineering Center (United States)
Melanie Dumas, Defense Advanced Research Projects Agency (United States)

2 Communication Networks and Dynamic Spectrum Access
Vasu D. Chakravarthy, Air Force Research Laboratory (United States)
Gayle D. Grant, U.S. Army Communications-Electronics Command (United States)

3 Net-Centric Architectures and Information Assurance
Paul Gaertner, Defence Science and Technology Organisation (Australia)
Leo J. Rose, Air Force Research Laboratory (United States)

4 Sensor Networks and Communications I: Joint Session with Conference 7694
Michael A. Kolodny, U.S. Army Research Laboratory (United States)

5 Sensor Networks and Communications II: Joint Session with Conference 7694
Michael A. Kolodny, U.S. Army Research Laboratory (United States)

Introduction

These are the proceedings of the fifteenth Defense Transformation and Net-centric Systems conference. The papers presented at the conference strongly reflected the inexorable trend towards net-centric systems and service oriented architectures. The conference included the following special sessions:

- **Self-organizing, Collaborative, and Unmanned ISR Robots, held jointly with the Unmanned Systems Technology conference 7692**
  Collaborative autonomous systems portend the increasing use of autonomic sensor and shooter platforms to perform the D3 (Dirty, Dull, and Dangerous) missions in an era of declining force structures.

- **Communication Networks and Dynamic Spectrum Access**
  This is an important topic which was initially pioneered by DARPA and highlighted as a key need by the Air Force Scientific Advisory Board in a 2008 summer study.

- **Sensor Networks and Communications, held jointly with the Ground/Air Multi-sensor Interoperability, Integration, and Networking for Persistent ISR conference 7694**

The conference also included a presentation by invited speaker Mr. Jim Springer of the U.S. Army on the UAS Control Segment (UCS) initiative, which detailed intentions to bring about an Open Architecture Ground Segment for UAS, and igniting a drive away from stove-piped proprietary systems.

Looking ahead, we expect Net-centric systems to be increasingly deployed in the field as C4ISR systems undergo their own "revolution". In the future, we expect to focus on the networking of sensors and shooters from space to the mud, as well as distributed collaborative teams of robotic platforms.

It is gratifying to see the high level of audience interest in this conference. Particularly gratifying is the fact that this conference has resulted in the "spin-off" of two new conferences at SPIE. My sincere thanks to the distinguished invited speakers, authors, attendees, and my associates on the program committee for another successful conference.

Raja Suresh