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**Raja Suresh**  
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## Introduction

These are the proceedings of the twelfth 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:

1. Self-organizing collaborative ISR robotic teams, held jointly with the Unmanned Systems Technology conference. 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.
2. Transformational geo-int systems. Actionable intelligence in now-time is increasingly being demanded by the warfighter in the GWOT. This will require a new way of thinking about national collectors and for creative means to marry national and tactical ISR to meet the warfighter's needs.
3. Maritime domain awareness (MDA). In the GWOT, a comprehensive awareness of the maritime domain is seen as being critical, as this mission transitions from the DoD to DHS. In the future, we plan to hold this session jointly with the Optics and Photonics in Global Homeland Security conference.

Invited speakers at the conference included Greg Duckworth (Foster-Miller), Chris Ramming (DARPA/STO), Brian Leininger (DARPA/IXO), and Amy Kruse (DARPA/DSO). We once again had excellent international participation with several papers being presented from Australia, Canada, and Germany, as well as the USA.

Looking ahead, we expect net-centric systems to be increasingly deployed in the field as C4ISR systems undergo their own "revolution." We expect to focus in the future 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. My sincere thanks to the distinguished invited speakers, authors, attendees, and my associates on the program committee for another successful conference.

**Raja Suresh**

