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Introduction

These are the proceedings of the nineteenth Open Architecture/Open Business Model Net-centric Systems and Defense Transformation conference. The papers presented at the conference strongly reflected the inexorable trend towards Open Architecture/Open Business Model acquisition patterns to provide the government Better Buying Power (BBP). The conference included the following joint sessions:

1. Open Architecture (OA)/ Open Business Model (OBM) Systems, held jointly with the Unmanned Systems Technology conference. This session included Keynote presentations from Dr. David Burke (NAVAIR), Mr. Leo Rose (AFRL), Mr. Mike Eagan (General Dynamics Advanced Information Systems), and Mr. Robert Dean (General Dynamics Land Systems). The Keynote session was followed by a panel discussion including these four gentlemen.
2. Micro Autonomous Systems Technology, held jointly with the Micro-and Nanotechnology Sensors, Systems, and Applications conference.

The conference included a special session on RF-FPGA technology hosted and chaired by Dr. William Chappell of DARPA.

The conference also included invited papers by Mr. Robert Bond (MIT Lincoln Laboratory), Ms. Betsy DeLong (ONR), Ms. Christiane Duarte (NUWC), and Dr. James Lyke (AFRL).

Looking ahead, we expect Net-centric systems to increasingly focus on Open Architectures (OA) and Open Business Models (OBM). Such OA/OBM systems seek to mimic the successful PC industry and hold the promise to dramatically reduce the acquisition and life cycle costs of military systems, and tremendously accelerate the rate of technology refresh in military systems.

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 several new conferences at SPIE Defense + Security. My sincere thanks to the distinguished invited speakers, authors, attendees, and my associates on the program committee for another successful conference.

Raja Suresh