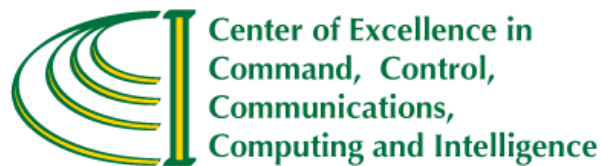# *S*EMANTIC *T*ECHNOLOGY FOR *I*NTELLIGENCE, *D*EFENSE AND *S*ECURITY

STIDS 2011

Building the Semantic Cloud

Conference held at:

The Mason Inn
George Mason University
Fairfax, Virginia Campus
16 - 17 November 2011

Online Proceedings

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Kathryn B. Laskey
(Eds.)

STIDS 2011

Preface

The 6th International Conference on Semantic Technologies for Intelligence, Defense, and Security (STIDS 2011) provides a forum for academia, government and industry to share the latest research on semantic technology for defense, intelligence and security applications.

Semantic technology is a fundamental enabler to achieve greater flexibility, precision, timeliness and automation of analysis and response to rapidly evolving threats. This year we have the following topics:

- Creating an interoperable suite of public-domain ontologies relevant to intelligence analysis covering diverse areas:
- Ontologies and reasoning under conditions of uncertainty
- Semantic technology and ontological issues related to:
    - o Source credibility and evidential pedigree
    - o Use of sensing devices including security, e.g. global infrastructure grid (GIG),
      images and intelligence collection in general
- Usability issues relating to semantic technology
- Best practices in ontological engineering

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Fairfax, VA, November 2011.

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Paulo Costa and Kathryn Laskey
STIDS 2011 Chairs

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Data Tactics Corporation is a small business solely focused on mission –relevant solutions that bring industry recognized experts in the field of Specialized Cloud Enterprise Architecture, Cyber Security, Geospatial Engineering, System / Software Development, Data / System Integration, and Operations and Maintenance (O&M) / Sustainment support. We measure that support at our end-user. The staff is qualified to identify report, resolve and support a myriad of complex data, storage, security and system problems. Our success has been proven time and again at traditional sites but also in tactical forward deployed environments.

Our Mission
- To Design, Develop, Deliver and Manage State-of-the-Art Technological Capabilities for Our Client's Enterprise that Supports Our Client's Mission Objectives
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- To Establish an Enduring Relationship of Trust with Our Client Based Solely on Our Performance
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- To Remain a Creative, Disruptive and Leading Research, Development and Rapid Deployment Institution Where Our Shared Intellect, Hard Work and Vanguard for Our Client's Trust make a Positive Difference in the Lives of Our Employees, the Success of Our Clients and the Security of Our Country