

SICOP

SEMANTIC INTEROPERABILITY COMMUNITY OF PRACTICE

FIFTH SEMANTIC INTEROPERABILITY FOR E-GOVERNMENT CONFERENCE

OCTOBER 10-11, 2006, AT MITRE, MCLEAN, VIRGINIA

REGISTER AT: [HTTP://WWW.MITRE.ORG/REGISTER/SEMANTIC/](http://www.mitre.org/register/semantic/)

Semantic Interoperability for e-Government

Government agencies and system integrators seeking interoperability in a net-centric world are turning to semantic technologies to cope with the growing complexity, scale, and costs of social and technological interaction. Semantic technologies enable interoperability by sharing the knowledge and meanings needed to enable infrastructure, systems, information, and organizations to collaborate and work together across boundaries.

Government executives, system integrators, and technology experts at the 5th Semantic Interoperability for E-Government Conference will:

- Review the current landscape of adoption of semantic solutions
- Discuss case studies and practical applications
- Report the development work of government communities of practice
- Showcase innovative applications, tools, and best practices
- Raise skill levels through tutorials and demonstrations

Conference themes

This years conference will feature:

- New techno-socio collaboration environments
- Semantics for infrastructure and system-of-system interoperability
- Semantics for information and knowledge management
- Knowledge-based processes
- New tools, methodologies, and best practices for semantic solution development

DAY-1 Tuesday, October 10, 2006

7:30 – 8:30 AM Conference Check In (must be pre-registered)

8:30 – 8:45 AM MITRE Welcome, Rick Tucker, Conference Host

8:45 - 9 AM Welcome and Conference Overview, Mills Davis and Brand Niemann, SICoP Co-Chairs

9:00 - 10:30 AM Opening Keynotes

Keynote-1 *Operationalizing the Semantic Web: Moving from Standards Research to Practical Pilots and Production Deployment*

Eric Miller, Former Activity Lead for the W3C World Wide Web Consortium's Semantic Web

Keynote-2 *Semantic Wave Update: The Landscape of Application Adoption*

Mills Davis, Project10X and SICOP Co-Chair

10:30 - 11:00 AM BREAK

11:00 - 12 NOON Featured Presentation and Panel

A Top-5 List of Applications That Should Be Addressed with Semantic Solutions + a List of Key Steps to Enable Acquisition

In this session we discuss the results of an informal survey of experts in semantic technology, government program managers, and system integrators.

Facilitators: Eric Miller and Mills Davis

Panelists (all invited): John Yanosy, Leo Obrst, Richard Murphy, Con Kenney, John Walker, Daniel Adams, Steven Ray, Rohit Agarwal, Ray Piasecki, Mark Greaves, and John Moeller

12 NOON - 2 PM Networking Lunch (MITRE Cafeteria)
Posters/Exhibitors (Atrium)
Tutorial Signup Opens

2 - 3:45 PM New Directions

Invited presentations and demonstrations

An EU Perspective: Providing Integrated Public Services to Citizens at the National and Pan-European level with the use of Emerging Semantic Web Technologies

Konstantinos Tarabanis (CERTH) and Vassilios Peristeras (CERTH)
Representing CERTH/ITI, SemanticGov project coordinator

New Directions in Ontology and Rules

Leo Obrst, MITRE
Co-Convenor of the Ontolog Forum — A SICoP Partner
RuleML-06 Workshop: Ontology and Rule Integration, November 10-11, 2006, International Conference on Formal Ontology in Information Systems, Baltimore, Maryland, November 9-11, 2006

New Directions in Knowledge Languages and Knowledge Processing

Chris Welty, IBM (remote) Knowledge Structures Group, T. J. Watson Research Center, IBM Corporation Interoperable Knowledge Representation for Intelligence Support (IKRIS)

A NCOIC Perspective: Semantic Interoperability for Net-Centric Operations

John Yanosy, Chair, NCOIC-SII WG, The Net-Centric Operations Industry Consortium Semantic Services and Information Interoperability Working Group. See Cooperative Agreement with SICoP.

3:45 - 4 PM SHORT BREAK

4 – 5 PM **Closing Keynote, Demonstration and Dialogue**

Next Generation Techno-Socio Collaboration: Semantic Environments for Collaboration, Content, Concepts, Capabilities, and Communication.

Conor Shankey, CEO Visual Knowledge

5 - 5:30 PM Special Recognitions, Networking, and Then Must Leave the Facility

DAY-2 Wednesday, October 11, 2006

7:30 – 8:30 AM Conference Check In (must be pre-registered)

1/2-Day Tutorials Conference Room 1 H 302 (limited to 40)

8:30 AM - 12 NOON *Tutorial #1: TopQuadrant's TopBraid Composer*
Holger Knublauch and Irene Polikoff, TopQuadrant

1 - 4:15 PM *Tutorial #2: Thetus Publisher*
Philip Pridmore-Brown and Danielle Forsyth,

Auditorium Sessions

8:30 - 10 AM **GeoSpatial Ontology Community of Practice (SOCOP)**

Introduction

John Moeller, Northrop Grumman and Co-Chair Geospatial Ontology CoP

A Geospatial Ontology Workshop & Foundations for a Community of Practice

Todd Pehle

Geospatial Ontologies in Relation to the Federal Enterprise Architecture Reference Model Ontologies and the Geospatial Profile

Eric Little

Location-based Social Networking for Crisis Response

Jeff Harrison

10:00-10:30 AM BREAK

10:30AM-12NOON Semantic Information and Knowledge Management

Introduction

Antoinette Arsic, Mitre, and Co-Chair SICoP SWIM WG

Semantic Interoperability at the World Bank: Combining Enterprise Architecture and Knowledge Management

Denise Bedford, World Bank

Practical Solutions for Knowledge Discovery Challenges: Knowledge Representation and Complexity Control

Alianna J. Maren, Eagle Force

New Semantic Digital Library Research Services

Chuck Rehberg, Semantic Insights

12 NOON - 1 PM Networking Lunch (MITRE Cafeteria)

1 - 2:30 PM Networking Semantic Interoperability Across Distributed Organizations and Their Ontologies

Introduction

Mills Davis, Co-Chair SICOP

Methods, Techniques and Tooling for working with Multiple Ontologies

Ralph Hodgson and Holger Knublauch, TopQuadrant

Knoodl-OWL Editor Based on Wiki Metaphor

Michael Lang, Revelytix

SWOOGLE: Finding knowledge, data and answers on the Semantic Web

Tim Finin, University of Maryland

2:30-2:45 PM SHORT BREAK

2:45 - 4:15 PM Agile Financial Data Services Community of Practice

Introduction

Brian Hankin, Washington Federal Practice, Advisory Services,
PricewaterhouseCoopers, LLP

*History of XBRL Work and Progress on the AFDS CoP and the AFDS
Taxonomy: Description and Review Process (Including Conversion to an
Ontology)*

Operationalizing SOA -Lessons Learned

Arun Majumdar

*Event-Driven Composite Financial Applications for Compliance and
Operational Risk Management*

Rohit Agarwal, Digital Harbor

4:15 - 5 PM Networking and Then Must Leave the Facility
