DAML-S / OWL-S: Outreach and Uptake

The OWL-S Coalition

presented by Terry Payne
IAM – Intelligence, Agents, Multimedia
University of Southampton
New DAML-S / OWL-S Web Site

- Designed to support Semantic Web Services Community
- Dissemination of:
  - DAML-S / OWL-S Standards
  - Community Publications
  - Press Releases & Events
  - Tools
  - Examples
  - Use Cases
  - Link to Mailing List (www-ws@w3.org)
Searching the Web…?

Searching the Web with **Google**
- DAML – 148,000 hits
- OWL – Semantic Web or Feathered Predators???
  - “OWL & Semantic” – 28,100
  - “OWL & Ontology” – 21,500
- DAML-S finds about 7,780 references of DAML-S
- Semantic Web Services – 617,000 hits!

Searching for Publications with **CiteSeer**
- Semantic Web is 701
- 73 documents with DAML-S
  - over 10% just on DAML-S!!!
DAML-S / OWL-S Repository of Papers

- Many more publications on DAML-S/OWL-S than listed in CiteSeer
- Evolving Repository maintained at Web Site (with markup!)
- Many papers from 2003 still to be added...
- ... due to a dirth of Semantic Web Services Workshops and Conferences in 2002/2003
- Similar effort underway for DAML-S/OWL-S Tools and Examples
Tutorials on OWL-S

- 7+ tutorials on-line, or presented at Conferences
- Summer School classes on Semantic Web Services
  - Semantic Web Services
    - The First European Summer School on Ontological Engineering and the Semantic Web (SSSW-2003)
  - OWL-S for Agents (proposed)
    - EASSS - European Agent Systems Summer School
- Invited Talks, Seminars etc presented by DAML Services Coalition
  - W3C, MIT, ES2002, AAMAS01, WSeBT, ODBase, CAISE, AI & Law, IAT’01 etc.
Numerous Workshops & Conferences

- To Date, at least 11 events on DAML-S and/or Semantic Web Services in 2002/2003
  - Mainly Workshops at larger Conferences, or specific tracks within Conferences
  - Typically 1 Day events
  - Disperse – no major event for Semantic Web Services... until 2004!

- AAAI Spring Symposium on Semantic Web Services
  - 3 Day focused event - 22-24th March 2004 (Stanford)
  - 45 Papers Submitted – expected 36-40% Acceptance Rate
  - Selected Papers to appear in July/August 2004 issue of IEEE Intelligent Systems
Book Plans – “Semantic Web Services”
Eds. Terry Payne, David Martin, Sheila McIlraith & Katia Sycara

Forward: J. Hendler (U. Maryland) - tbc
Preface: Terry Payne (U. Southampton)

Part I - Services and the Semantic Web
1. Semantic Web Services
   Terry Payne (U. Southampton) David Martin (SRI International) Sheila McIlraith (Stanford University)
   OWL Tutorial
   Authors To Be Confirmed.

Part II - Ontologies for Semantic Web Services
3. Ontologies for Service Description
   4. Enacting Web Services
      David Martin (SRI International) Massimo Paolucci (Carnegie Mellon University) Katia Sycara (Carnegie Mellon University)
   5. Discovering Services - Semantic Service Descriptions
      Katia Sycara (Carnegie Mellon University) Terry Payne (U. Southampton) Massimo Paolucci (Carnegie Mellon University)
   6. Service Composition and Translation
      Sheila McIlraith (Stanford University) Mark Burstein (BBN) Drew McDermott (Yale U.)

Part III - Extending Semantic Web Services
7. DAML-S Space, Time and Matter
   Jerry Hobbs (ISI)
   8. Semantic Rules
      Steve Ross-Talbot (Enigmatic Co)
   9. Semantic Gadgets: DAML-S for Physical Devices
      Ora Lassila (Nokia) Mark Adler (Nokia) Dana Pavel (Nokia)
   10. Security for Semantic Web Services

Part IV - Using Semantic Web Services
11. Tools for Constructing Services
    Bijan Parsia (U. Maryland), Jim Hendler (U. Maryland) Sheila McIlraith (Stanford University) Katia Sycara (Carnegie Mellon University) Massimo Paolucci (Carnegie Mellon University)
   12. eScience and Semantic Grid Services
       Carole Goble et al (Manchester U.) Luc Moreau (Southampton U.) Terry Payne (Southampton U.)
   13. Architectures for Semantic Web Service
       Dieter Fensel (Leopold Franzens Universität Innsbruck) Christoph Bussler (Oracle)
   14. Agents and Applications
       To Be Confirmed
Other Programs using DAML Services

- **AgentLink III (EU FP6 Coordinated Action)**
  - Collaboration closely with FP6 Knowledge Management NOEs
    - Knowledge Web, Rewerse, Muscle, Aim@Shape, KB2.0

- **Ontoweb & KnowledgeWeb (EU FP5/6 Networks of Excellence)**
  - [http://www.ontoweb.org/](http://www.ontoweb.org/)
  - Several projects have semantic services bias, inc WSMF & IRS2

- **Semantic Grid Research Group**
  - [http://www.semanticgrid.org/GGF/](http://www.semanticgrid.org/GGF/)
  - Part of the Grid Global Forum

- **Agentcities Worldwide Agent Technology Competition**
  - [http://www.agentcities.org/EUNET/Competition/](http://www.agentcities.org/EUNET/Competition/)
  - ID3 in Barcelona (Feb 2003) featured finals of Agent Technology Competition.

- **Advanced Knowledge Technologies (AKT)**
  - [http://www.aktors.org/](http://www.aktors.org/)
  - Over 46 tools available for Semantic Web Research
  - Ongoing effort to convert into OWL-S Semantic Web Services...