SEMAPRO 2010: The Fourth International Conference on Advances in Semantic Processing Paper Deadline

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- cfp
- conference
- deadline
- paper
- semantics
- semapro

Start: 2010-05-20
Timezone: America/Montreal

CALL FOR PAPERS, TUTORIALS, PANELS

SEMAPRO 2010: The Fourth International Conference on Advances in Semantic Processing

October 25 - 30, 2010 - Florence, Italy

General page: http://www.iaria.org/conferences2010/SEMAPRO10.html

Call for Papers: http://www.iaria.org/conferences2010/CfPSEMAPRO10.html

Submission deadline: May 20, 2010

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Extended versions of selected papers will be published in IARIA Journals: http://www.iariajournals.org

Publisher: CPS (see: http://www2.computer.org/portal/web/cscps)

Archived: IEEE CSDL (Computer Science Digital Library) and IEEE Xplore

Submitted for indexing: Elsevier's EI Compendex Database, EI's Engineering Information Index

Other indexes are being considered: INSPEC, DBLP, Thomson Reuters Conference Proceedings Citation Index

Please note the Poster Forum and Work in Progress options.

The topics suggested by the conference can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas.

All tracks are open to both research and industry contributions, in terms of Regular papers, Posters, Work in progress, Technical/marketing/business presentations, Demos, Tutorials, and Panels.

Before submission, please check and conform with the Editorial rules: http://www.iaria.org/editorialrules.html

SEMAPRO 2010 Tracks (tracks' topics and submission details: see CfP on the site)

Basics on semantics

Fundamental of semantics processing; Semantic-based techniques for feature selection; Semantic-based pruning; Semantic interoperability; Semantics uncertainty; Semantics pre-processing and post-processing; Semantics harmonization; Constraint-based semantics processing; Embedded semantics into the discovery process; Semantics in spatial and spatio-temporal models

Ontology fundamentals for semantic processing

Ontology learning; Ontology for semantic interoperability; Ontologies and data pre-processing; Ontology-based evaluation and semantic patterns; Global core ontologies; Progressive ontologies; Bridging semantics through ontologies; Ontology mapping and ontology visualization; Ontology in information systems; Ontology-based semantic mediation; Ontology design and maintenance for conceptual model integration; Reverse engineering of ontologies from conceptual models

Semantic technologies

Basics of Ontology and Semantic Web; Semantic storing, computing, representation, communications; Semantic-driven system design; Syntactic and semantic processing models; Hardware and software support for semantic processing; Microprocessors for semantic processing; Multi-model semantic systems; Semantic annotation of multimedia supports; Semantic multimedia information retrieval; Natural language semantic processing; Context-based semantic processing; Content-based semantic processing; Scalability to the Web level; Performance in semantic processing; Information security in semantic processing

Semantic Deep Web

Ontology plug-in search; Information extraction from the Deep Web /e-commerce sites/; Semantic Deep Web annotation and indexing; Deep Web-based ontology; Semantic Deep Web crawlers; Semantic browsing and visualization; Semantic Deep Web data fusion; Semiautomatic ontology generation; Metrics for quality of ontology; Similarity measures for ontology alignment; Measurements for quality of search; Tools for semantic Deep Web

Semantic reasoning

Reasoning methods; Reasoning for the Web; Ontology expressiveness; Ontology alignment, mapping and merging; Expressing formal semantics; Languages (RDF, RDF Schema, OWL, etc); Robustness of reasoning on the Web; Patterns on semantic reasoning; Querying and searching; Scalable and tolerant reasoning; Dynamic reasoning for the Semantic Web; Ontologies and problem-solving methods; Computational learning theory; Approximate reasoning/computing; Strategies for abstraction and compression of information; Cognitive semantic reasoning; Attention semantic scoping; Recency-based self-optimizing memory; Cost-benefit trade-off reasoning models; Negotiation in obtaining near-optimal reasoning results under bounded resources

Semantic content searching

Methodologies for innovative information retrieval technologies; Combinatorial search; Massive search-spaces with heuristics (e.g., based on Monte Carlo simulations); Searching using metadata, semantics, and ontology; Advanced searching in digital libraries; Advanced use of RDF and OWL; Expressiveness of the content ontologies; Inherent inconsistency and incompleteness of data on the Web; Scalability of semantic processing; Specialized search engines (Hakia, Matrixware and seekda)

Hypertext and hypermedia semantic

Hypertext techniques and semantic applications; Hypertext and ontologies; Hypertext semantic models; Spatial semantic hypertext; Self-organized hypertext; Semantic adaptive hypertext; Web and hypertext link analysis; Hypertexts and semantic Web; Hypertext semantic applications

Semantic voice-video-speech (VVS) searching

Engines and methods for VVS advanced searching; Patterns in VVS searching; Contextual VVS searching; Rapid VVS searching; Accuracy in VVS searching; Noise in VVS searching; Performance in VVS searching; Metrics for VVS searching; Text and VVS searching; Applications of VVS

Semantic multimedia

Efficient storage of structured data that scale to a very large size; Automatic generation of multimedia presentations; Advanced process for multimedia information mining; Semantic metadata extraction; Annotation tools and methods for content semantics; Media ontology generation/learning/reasoning; Semantic multimedia streaming; Semantics enabled multimedia applications /annotation/browsing/storage/retrieval/visualization

Semantic social media

Community detection and evolution in social media; Recommendation and ranking systems; Search in social media; Event detection, trend identification and tracking in social media; Influence, trust and reputation in social media; Opinion/sentiment analysis, polarity identification; Feed distillation and ranking blogs; Mining microblogging and real time data; Folksonomy, tag semantics, clustering and usage; Advertising models for the social web; Indexing social media content, index freshness; Visualizing social network data; Spam detection, social network spam and profile spam

Semantic networking

Semantic-based QoS (Quality of Service) control and scheduling; Semantic QoE (Quality of Experience) evaluation; Semantic-based Internet data streaming and delivery; Semantics enabled networking and middleware; Semantic routing; Semantic interfaces

Domain-oriented semantic applications

Semantics for managing pharmaceutical data; Semantic processing for biomedical knowledge; Speech, text and picture recognition; Semantic email workflow and content; Semantic blogs and wikis; Semantic email addressing; Semantic web and digital libraries; Semantic processing in e-Health; Semantic-driven tutoring systems

Economics and governance of semantics technologies

Organizational views; Legal; Business; Regulations; Assessment; Standards; Harmonization; Cross-nation mediation

Semantic applications/platforms/tools

Market for semantic technologies; Applications, services and systems based on semantic processing; User friendly semantic system integration tools; Ontology-based data transformation and data migration tools; Ontology mapping tools and languages; Ontology-enabled interoperability in e-science, life sciences, e-business, culture; Commercial cost models for semantic applications; Semantic solutions for business intelligence; Semantic processing platforms ; Supporting ontology platforms/tools (Protégé, etc); Semantic query languages (SPARQL, etc); Ontology-enabled search engines; Semantic Web search engines; Interoperability of data, systems, and organizations; Experiments and lessons learned; Standard activities

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