Call for Papers

Tenth International Conference on Semantic Technology for Intelligence, Defense, and Security (STIDS 2015)

George Mason University, Fairfax, VA, USA
November 18–20, 2015
http://stids.c4i.gmu.edu
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The Tenth International Conference on Semantic Technology for Intelligence, Defense, and Security (STIDS 2015) will be held in November 2015 at Dewberry Hall in the Johnson Center on the George Mason University Fairfax campus. The main conference will be held Thursday and Friday, November 19–20, with a tutorial session on Wednesday, November 18 and a classified session at a venue to be announced for those with TS/SCI clearances on November 17.

STIDS 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.

Conference Theme

This year the STIDS theme will be *semantics in cyber-physical systems*. Paper submissions related to this topic are most welcome, though there is no requirement for submissions to conform to the theme.

Audience

STIDS is a premier opportunity for collaboration and cross-fertilization between researchers and practitioners of semantic-based technology with particular experience in the problems facing the Intelligence, Defense, and Security communities. It will feature invited talks from prominent semantic researchers and recognized leaders from the target application domains.

To facilitate interchange among communities with a clear commonality of interest, STIDS encourages submissions that showcase original, significant research as well as papers that present implementations and lessons learned or discuss, compare, and evaluate the use of semantic techniques. In the tradition of an academic conference, submissions are expected to make a tangible contribution to the field of semantics, and so marketing white papers and the like will not be accepted.

Topic List

STIDS welcomes the submission of papers related to semantic technology and ontology relevant to the fields of Intelligence, Defense, and Security. We are especially interested in papers on the following topics:

- Best practices in the engineering of ontologies
- Collaboration
- Command and Control (C2) and Situation Awareness (SA)
- Cyberspace: defense, exploitation, and counter-attack
- Decision making
- Economics and financial analysis
- Emergency response
- Human factors and usability issues related to semantic technologies
- Information sharing
- Infrastructure protection
- Intelligence collection, analysis, and dissemination
- Law and law enforcement
- Planning: representation of and reasoning over plans and processes
- Predictive analysis

- Provenance, source credibility, and evidential pedigree
- Resiliency, risk analysis, and vulnerability assessment
- Science and technology (biology, health, chemistry, engineering, etc.)
- Sensor systems
- Sociology (social networks, ethnicity, religion, culture, politics, etc.)
- Spatial and temporal phenomena and reasoning
- Uncertainty as it relates to ontologies and reasoning

Submission Details

Submissions of technical papers or extended abstracts are welcomed. Each submission will be evaluated for acceptability by at least three members of the Program Committee. Decisions about acceptance will be based on relevance to the above topic list, originality, potential significance, and clarity. Because all accepted papers are to be presented at the conference, we require that at least one of the submitting authors must be a registered participant committed to attending STIDS 2015. All accepted authors will be invited to participate in a poster and demo session to provide an opportunity for extended informal discussion.

Submissions are accepted only in electronic format and must closely follow the US Letter version of the IEEE format for conference proceedings. For complete details and to download LaTeX or MS Word templates, choose the US Letter size from the IEEE's Manuscript Template webpage. Technical papers must have between six and eight pages, including figures. Extended abstracts must have between two and four pages. Submissions outside these limits will not be reviewed. In addition, papers that, at the time of submission, are under review for or have already been published in or accepted for publication in a journal or another conference will not be accepted to the STIDS conference.

Submissions for the general session must be unclassified and releasable in a public forum. They should be sent via the conference submission site. Details on submissions for the classified session will be posted on Intelink.

Important Dates

Fri, September 4	Paper submission deadline
Fri, October 2	Paper acceptance notification
Fri, October 16	Early bird rates end
Mon, October 26	Camera-ready papers due
Sat, November 14	Presentations due
Tue, November 17	Classified session
Wed, November 18	Tutorials
Thurs/Fri, November 19–20	Main Conference

Program Committee

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We look forward to seeing you in Fairfax!