

The 2009 International Symposium on Collaborative Technologies and Systems
(CTS 2009)

CALL FOR PAPERS

Workshop on Collaboration and Security (COLSEC'09)

<http://www.univ-orleans.fr/lifo/Manifestations/COLSEC>

May 18-22, 2009

The Westin Baltimore Washington International Airport Hotel
Baltimore, Maryland, USA

<http://cisedu.us/cis/cts/09/main/callForPapers.jsp>

Submission Deadline: January 30, 2009

***** Last Minute Information : Special issue of best papers *****

The publication of selected papers as a special issue in a computer science journal is currently under negotiation. Selected papers will be solicited, from the best papers of COLSEC 2009 but also from previous sessions of COLSEC, for submitting an extended version of their paper to that special issue in a journal.

Brief Description:

Collaboration relies on distributed systems that provide the required security properties. Virtual organizations often use the Internet to support collaboration. The Internet, operating systems and distributed environments currently suffer from poor security support and cannot resist common attacks (spamming, worms, session hijacking, buffer overflow, denial of service, social engineering, etc.). Collaborative organizations require better security properties (strong authentication, efficient encryption, Mandatory Access Control, integrity, non-repudiation and availability). Nowadays, collaborative organizations use new technologies such as mobile devices, smartcards, wireless networks, high performance networks, grid computing, multi-agent systems, peer-to-peer systems, sensor networks. These environments introduce new needs,

requirements and difficulties related to security. Hence, collaborative organizations and technologies face several challenges in the field of security.

This Workshop on Security and Collaboration - to be held as part of the 2009 International Symposium on Collaborative Technologies and Systems (CTS'09) - will focus on security issues related to collaborative systems with emphasis on distributed environments, smartcards, grid, clusters and multi-agent systems, mobile and wireless cooperation. The aim is to have a dedicated workshop that fosters closer interactions among researchers and users communities, providing an excellent opportunity for them to meet and discuss their ideas. It addresses specifically relationships between collaborative systems and security. It intends to present new challenges and solutions related to latest security requirements, specific methods of access control enabling large scale cooperation, usage of mobile technologies and smartcards, new security infrastructures supporting better prevention, detection, recovery and healing in the context of cooperative systems.

We invite original contributions from researchers in academia, research institutions and industry on these emerging and important areas of information technology.

Workshop topics must address security and collaboration:

- * Frameworks for Security in Collaborative Systems
- * Access Control in Collaborative Environments
- * Trusted Operating Systems for Distributed Environments
- * Security of Grid and Cluster Architectures Supporting Cooperative Applications
- * Honeypots for Collaborative Systems
- * Intrusion and Attacks Detection for Collaborative Systems
- * Role Based Security, Reputation, and Trust
- * Cross Domain Identity Management Systems Collaboration
- * Collaborative Security Monitoring Schemes and Systems
- * Web Services Security
- * Privacy Protection for Collaborative Systems
- * Encryption and Cryptography Systems Supporting Cooperative Systems
- * Use of Smartcards in the Context of Collaboration
- * Disclosure and Integrity Issues of Collaborative systems
- * Resistance to Denial of Service in Collaborative systems
- * Detection and Self-Recovery Schemes and Strategies Supporting Cooperation
- * Security in Multi Agent Systems
- * Secure Collaborative Agents
- * Using Multi Agent Systems for Security
- * Security in Mobile and Wireless Networks
- * Security of Ad Hoc and Sensor Networks
- * Security in Peer to Peer Networks
- * Security in Social Networks

Submission Instructions:

Papers reporting original and unpublished research results on above and any other related topics are solicited. Submission should include a cover page with authors' names, affiliations, addresses, fax and phone numbers, and email addresses. Include up to 6 keywords from the

above list and an abstract of no more than 300 words. Authors can submit their contribution as a short or long contribution:

- **Short paper**: it should present ongoing work of the researchers in order to communicate and share their current ideas with the community. It could also present new extended results of a previously published paper.
 - Short papers should not exceed 4 pages in length in single-space, two columns IEEE format Conference style.
- **Long paper**: this is a full research paper presenting innovative and interesting research results, containing original and new material.
Long papers should not exceed 8 pages in length in single-space, two columns IEEE format Conference style.

If accepted the final camera ready version will be following the CTS 2009 template and should not exceed 8 pages for long papers, 4 pages for short papers. Electronic submissions will be accepted only in PDF format uploaded at

<http://www.univ-orleans.fr/lifo/Manifestations/COLSEC/>.

For other electronic formats, please check with the organizers.

Consistent with standard practice, each submitted paper will receive a minimum of three reviews. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Initial selection will be based on full papers. Submission implies the willingness of at least one of the authors to register and present the paper, if accepted. All accepted papers in the Workshop **are required to be presented** and will be included in the Symposium proceedings. It is our intent to have the proceedings formally published in hard and soft copies and be available at the time of the conference. Instructions for final manuscript format and requirements will be posted on the CTS 2009 Symposium web site later.

Further instructions will be provided at <http://www.univ-orleans.fr/lifo/Manifestations/COLSEC/>.

Organizers Information:

Dr. Patrice Clemente and Dr. Jean-François Lalande

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Technical Program Committee:

All submitted papers will be rigorously reviewed by the workshop technical program committee members.

Program committee chair: Prof. Christian Toinard

LIFO, ENSI-Bourges, France

Dr. Mathieu Blanc, CEA, France

Dr. Julien Bourgeois, Université de Franche-Comté, France *

Dr. Jorge R. Cuellar, Siemens AG Corporate Technology, Germany *
Dr. Nora Cuppens, ENST Bretagne, France *
Dr. Michel Cukier, University of Maryland, USA
Dr. Eric Dubois, Centre d'Innovation par les Technologies de l'Information, CRP Henri Tudor,
Luxembourg *
Dr. Yuri Demchenko, University of Amsterdam, The Netherlands *
Dr. Jean-Bernard Fischer, Nagra, France *
Mr. Vincent Glaume, CEA, France
Pr. Claude Godart, INRIA Lorraine, France *
Pr. Hervé Guyennet, University of Franche-Comté, France
Dr. Volkmar Lotz, SAP, France *
Pr. Philippe Mathieu, University of Lille, France
Dr. Srinivas Mukkamala, New Mexico Tech, USA *
Dr. Franck Panaget, France Telecom R&D, France *
Pr. Pierre Paradinas, CNAM Paris, France *
Dr. Emmanuel Prouff, Oberthur Card Systems, France
Dr. Michael Rusinowitch, INRIA Lorraine, France
Dr. Damien Sauveron, University of Limoges, France
Dr. Luca Spalazzi, Universita' Politecnica delle Marche, Italy
Pr. Pascal Urien, ENST, France

** Final acceptance pending*

Important Dates:

Paper Submission Deadline: ----- January 30, 2009

Notification of Acceptance: ----- February 20, 2009

Registration & Camera-Ready Paper Due: ----- March 3, 2009

For information or questions about the workshop and the paper submission procedure, please contact the Workshop organizers.

For information or questions about the full Symposium's program, tutorials, exhibits, demos, panel and special sessions organization, please consult the conference web site at URL: <http://cisedu.us/cis/cts/09/main/callForPapers.jsp> or contact the symposium co-chairs: Bill McQuay at AFRL/IFSD, WPAFB (William.McQuay@wpafb.af.mil) or Waleed W. Smari at the Dept. of Electrical and Computer Engineering, University of Dayton (Waleed.Smari@notes.udayton.edu).