CALL FOR PAPERS

Workshop on Role-Based Collaboration
(RBC 2009)

Submission Deadline: January 3, 2009

Workshop Theme:
Role-Based Collaboration is an emerging methodology to facilitate an organizational structure, provide orderly system behaviour, and consolidate system security for both human and non-human entities that collaborate and coordinate their activities with or within systems. Role-Based Collaboration Sessions (Workshops) have been organized for 10 times since its inaugural session in 2003 in Washington D.C. The sessions are becoming a regular event organized by the Technical Committee on Distributed Intelligent Systems at the IEEE International Conference on Systems, Man and Cybernetics.

The concept of role has been adapted from diverse fields including behavioural science, management, sociology, and psychology. Distributed system architectures have utilized roles to anthropomorphize software agents and systems so they can integrate and interact more seamlessly with their human counterparts. By providing role conceptualizations we can improve complex system understanding and management by providing the end user a modelled environment they are more accustomed, resembling, objects and activities they are exposed to daily like authority and organizational structures, responsibilities, functions and interactions between peers and management.

As in the human world where roles are used everyday, ambiguities and conflicts occur, thus necessitating clear role specifications, definitions and conflict resolution mechanisms to provide proper and efficient collaboration. These same issues arise in multi-agent and distributed intelligent systems, even more so when humans are included, and hence require related effective software collaboration algorithms, techniques, and tools for the implementation of a well organized system.

The workshop will present techniques, methodologies, and architectures focusing on issues inherent to implementing Role-Based Collaboration for specific environments. Collaborative Systems mentioned here include Computer-Supported Cooperative Work (CSCW), Groupware, GSS (Group Support Systems), CMC (Computer Mediated Communication), Social Computing Systems, Workflow Systems, Distributed Intelligent Systems, Multi-agent systems, and Collaborative Games.

Topics of Interest:
Solicited topics should address roles and include, but are not limited to:

Roles in General
- Fundamental concepts of roles
- Role specification, expression, presentation and management

Software Engineering and programming
- Roles as models
- Roles as services
- Roles as programming components
Important Dates:

- **January 3, 2008:** Deadline for submission of papers
- **February 3, 2009:** Notification of acceptance
- **March 3, 2009:** Submission of final camera-ready papers and registration

Submission of Papers:

Electronic submissions are encouraged and should be sent directly to roles@nipissingu.ca or haibinz.zhu@gmail.com. Paper reception will be acknowledged by e-mail within 2 days.

The format should be compliant with and follows the CTS 2009 format (instructions will be available at http://cisedu.us/cis/cts/09/main/callForPapers.jsp). Paper drafts submitted for review should not exceed 10 pages. Some papers can be accepted as short papers, with a total length reduced to 5 pages. If accepted, the final manuscript must follow the CTS 2009 format that is to be made available on the conference Web site. The format is similar to IEEE conference formats.

Submissions should include the title, authors name, affiliation, e-mail address, fax number and postal address. In case of multiple authors, an indication of which author is responsible for correspondence should also be included.

All submitted papers and posters will be rigorously reviewed by the technical program committee members and the reviewers they invite. Papers will be selected based on their originality, timeliness, significance, relevance, and clarity of presentation. Papers submitted to RBC must be original work, not submitted simultaneously to any other venue.

Submission implies the willingness of at least one of the authors to register and present the paper, once accepted. All accepted papers are required to be presented and will be included in the conference proceedings.

If you have questions regarding workshop paper submission or the workshop content, please contact the workshop organizer.

**Workshop Organizer and Committee:**

**Haibin Zhu**
Department of Computer Science and Mathematics
Nipissing University, 100 College Drive
North Bay, ON P1B8L7, Canada
email: haibinz@nipissingu.ca
Program Committee (Confirmed):

Gail-Joon Ahn  
Arizona State University, USA

Giacomo Cabri  
Università di Modena e Reggio Emilia, Italy

Henri Frederico Eberspacher  
Pontifical Catholic University of Parana, Brazil

Luca Ferrari  
Independent Researcher, Italy

Bill Gruver  
Intelligent Robotics Corp., Canada

Keith Harrison-Broninski  
Role Modellers Ltd, UK

Michelle Joab  
Université Montpellier 2, France

Shin-Jie Lee  
National Central University, Taiwan

Xinjun Mao  
National University of Defence Technology, China

Vincent T. Y. Ng  
The Hong Kong Polytechnic University, Hong Kong

James Odell  
James Odell Associates, USA

Lyle A. Reibling  
Azusa Pacific University, USA

Shinksuke Tamura  
Fukui University, Japan

Yong Tang  
Zhongshan University, China

Shaohua Teng  
Guangdong University of Technology, China

Yan Xiao  
University of Maryland at Baltimore, USA

Bin Xu  
Zhejiang Gongshang University, China

Haiping Xu  
University of Massachusetts Dartmouth, USA

Yu Zhang  
Trinity University, USA

MengChu Zhou  
New Jersey Institute of Technology, USA

For information or questions about the full Symposium's program, tutorials, exhibits, demos, panel and special sessions organization, please consult the conference website 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).