

The 5th International Conference on New Software Methodologies, Tools, and Techniques

SOMET_06
October 25 –27, 2006
Chateau Frontenac
Quebec, Canada



Call for Papers

Workshop aim and objectives:

The 5th International Conference on New Software Methodologies, Tools, and Techniques (SOMET_06) will take place on **October 25-27, 2006, in Quebec, Canada**. This event will continue and extend a coming series.

This workshop shows and reflects the new state-of-art on new trends in software methodologies, its case tools and techniques, and this year will be much emphasis on Software Security software related techniques.

We invite you to participate in SOMET_06 to help build a forum for exchanging ideas and experiences in the field of new directions on software development methodologies, and its tools and techniques.

This conference focuses and captures the essence of the innovations, controversies, challenges, and possible solutions of the software industry. This theory born from experience and it is the time through this workshop and its coming series, to stimulate through it the academic research on software science initiated from experience to theory. This workshop is an opportunity for us in the software science community to think about where we are and today and where we are going.

The area of this workshop, will emphasis on but not limited:

Requirement engineering, especially for high-assurance system, and requirement elicitation,

Software methodologies, and tools for robust, reliable, non-fragile software design.

Lyee-oriented software developments techniques and Lyee legacy systems

Automatic software generation versus reuse, and legacy systems, source code analysis and manipulation,

Software quality and process assessment for business enterprise models

Intelligent software systems design, and software evolution techniques,

Software optimization and formal methods for software design

Static, dynamic analysis on software performance model, software maintenance,

Software security tools and techniques, and related Software Engineering models

Formal techniques for software representation, software testing and validation,

Software reliability, and software diagnosis systems

Mobile code security tools and techniques

Security policies specification and validation

End-user programming environment, User-centered Adoption-Centric

Reengineering techniques

Ontology, cognitive models and philosophical aspects on software design,

Software design through interaction, and precognitive software techniques for

interactive software entertainment applications,

Creativity and art in software design principles

Aspect oriented programming and other programming disciplines for secure software

The workshop program will be based on several invited talks and papers (arrived through this CFP). The papers will be reviewed to check the quality of the papers, their presentation and their relevance to the workshop. The review will be done by the help of the program committee members. We will ask the respective authors of the accepted papers to make (if any) some modifications to increase the technical value of the papers presentation. This cycle should be finished within the **20 June 2006**. Those selected revised papers and the invited papers will describe high quality innovative and significant work in the research and practice of software science, in the related technical fields of this workshop.

The Proceedings of the workshop will be published by **IOS international publisher** in series: **Frontiers in Artificial Intelligence and Applications**. The book will be distributed at the work-

Submission Details

In general the acceptance will be based on the originality of work, on the suitability of the topic to the workshop, and on the overall quality of your submission.

The length of the paper for submission should be up to Maximum of 20 double space pages, for full paper, and up to Maximum 10 pages for short paper. The page format should be according to the **IOS format**.

The paper submission deadline is: **15th May 2006**.

The acceptance letters with reviewing comments will be sent by: **20 June 2006**

In the case of acceptance, please, send your Camera-Ready copy according to **IOS format** (http://www.iospress.nl/authco/instruction_crc.html), should be up to 20 A4 pages for Regular paper, and up to 10 pages for Short papers.

The final Camera-Ready copy, for inclusion in the IOS book series (Frontiers in Artificial Intelligence and Applications) to arrive no later than: **20 July 2006**.

For the further information on submission, please refer to:

http://www.somet.soft.iwate-pu.ac.jp/somet_06

Program Chairs

Hamido Fujita, Iwate Prefectural University, Iwate, Japan
e-mail : issam@soft.iwate-pu.ac.jp

Mohamed Mejri, University of Laval, Quebec, Canada
e-mail: momej@ift.ulaval.ca

Program committee

Kasem Saleh American University of Sharjah, UAE

Ridha Khedri McMaster University Hamilton, Canada

Kamel Adi, University of Quebec at Hull, Quebec, Canada

Anna-Maria Di Sciullo University de Quebec de Montreal, Canada

Luigi Logrippo, University of Quebec at Hull, Quebec, Canada

Mourad Debbabi, Concordia University, Montreal, Canada

Bechir Ktari, University of Laval, Quebec, Canada

Kone Mamadou Tadiou, Laval University, Quebec, Canada

Marite Kirikova Riga Technical University, Latvia

Rimantas Butleris, Kaunas University of Technology, Lithuania

Remigijus Gustas Karlstad University, Sweden

Paul Johannesson, Royal Institute of Technology, Sweden

Love Ekenberg Mid Sweden University, Sweden

Benkt Wangler University of Skovde, Sweden

Rudolf Keller Zuehlke Engineering AG, Switzerland

Soundar Kumara The Pennsylvania State University, USA

Margaret M Burnett Oregon State University, Corvallis, USA

Gregg Rothermel University of Nebraska, Lincoln, USA

Kenneth Baclawski Northeastern University, Boston, USA

Michael Oudshoorn Montana State University, Bozeman, USA

Ernest Edmonds University of Technology, Sydney, Australia

Selmin Nurcan University de Paris_1-Pantheon Sorbonne, Paris, France

Collette Rolland University de Paris_1-Pantheon Sorbonne, Paris, France

Camille Salinesi University de Paris_1-Pantheon Sorbonne, Paris, France

Carine Souveyet University de Paris_1-Pantheon Sorbonne, Paris, France

Christophe Sibertin-Blanc Toulouse_1 University, France

Pierre-Jean Charrel University of Toulouse_2, Toulouse, France

Victor Malyshekin Russian Academy of Sciences, Russia

Yu Zagorulko, Novosibirsk University, Russia

Sergei Gorlatch University of Muenster, Germany

Volker Gruhn Leipzig University, Germany

Dirk Peters, Leipzig University, Germany

Domenico M. Pisanelli ISTC -CNR, Rome, Italy

Fumio Negoro, ISD Institute, Tokyo, Japan

Shaoying Liu Hosei University, Japan

Yasuaki Nishitani, Iwate University, Japan

Norio Shiratori, Tohoku University, Japan

Debasish Chakraborty, Tohoku University, Japan

Yutaka Funyu, Iwate Prefectural University, Japan

Masaki Kurematu, Iwate Prefectural University, Japan

Teruo Higashino, Osaka University, Japan

Organizing Chairs

Bechir Ktari, Laval University, Quebec, Canada
e-mail: bechir.ktari@ift.ulaval.ca

Kamel Adi, University of Quebec at Hull, Quebec, Canada
e-mail: kamel.adi@uqo.ca

Karim El Guemhioui, University of Quebec at Hull, Quebec, Canada
e-mail: karim.elguemhioui@uqo.ca

Special issue

The International Journal **Knowledge-Based Systems** intends to publish a special issue 2007, on "Software and Systems Security" closely associated with the Conference. The **Conference Chair, Professor Hamido Fujita**, and the **General Editor of the Journal, Professor Ernest Edmonds**, will jointly edit this issue. The authors of selected workshop papers will be invited to publish journal versions of them in the special issue.

(**Knowledge-Based Systems home page** : <http://www.elsevier.nl/locate/knosys>)



http://www.somet.soft.iwate-pu.ac.jp/somet_06