

# 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](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](http://www.somet.soft.iwate-pu.ac.jp/somet_06)

### Program Chairs

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### 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](http://www.somet.soft.iwate-pu.ac.jp/somet_06)