CALL FOR PAPERS

15th International Workshop on Software Measurement (IWSM 2005)

Co-sponsored by: École de Technologie Supérieure (ÉTS, Université du Québec), Otto von Guericke University (Magdeburg, Germany), In cooperation with: SPIN-Montréal and COSMIC (Common Software Measurement International Consortium), German Interest Group on Software Metrics (FG 2.1.10)


GENERAL THEME & SCOPE: SOFTWARE MEASUREMENT

The purpose of the workshop is to review the set of issues such as the identification of deficiencies in the design of currently available measurement methods, the identification of design criteria and techniques and measurement frameworks. We are looking for papers in the area of software measurement, addressing generic research issues, infrastructure issues or specific research and implementation issues on the following topics (but not limited to):

A- Uses of measurements results in decision making: Productivity Analysis (foundations of productivity models, quality of productivity models, experimental basis and constraints that limit it expandability to contexts outside of the experimental basis), Estimation process (uncertainty, identification of inputs, expectations, technical estimates versus business risks estimation, etc.)

B- Evaluation and assessment models: Performance assessment, Quality assessment, Maintenance assessment, Support systems assessment

C- Objects and attributes to be measured: Types of measurement object targets: functional domains, type of software – layers, specific functional characteristics – algorithms, Timely adaptation of the designs of measurement methods to new and emerging technologies: UML, Web-based applications, Agent based systems, etc., Size attributes categories: Functional and non-functional, etc.

D- Measurement methods: design issues: Design issues of measurement methods: definition of base components to be measured, ISO conformance, weights assignments and theoretical foundations (Basis for consensus, degree of consensus, etc., Normalization issues: time dependence, technology dependence, infrastructure changes, Integration of measurement types: when and how, Quality of measurement methods: repeatability, accuracy, correctness, traceability, uncertainty, precision, etc.


PROGRAM COMMITTEE

Alain Abran, ÉTS, Canada, Luigi Bugliione, AtosOrigin, Italy, Manfred Bundschuh, DASMA, Germany, François Coallier, ÉTS, Canada, Jean-Marc Deshamais, ÉTS, Canada, Javier Dolado, Universidad San Sebastian, Spain, Ton Dekkers, Sogel Nederland B.V., Netherlands, Reiner Dumke, University of Magdeburg, Germany, Christof Ebert, Alcatel, Paris, France, Nadine Hanebutte, University of Idaho, USA, Franz Lehner, University of Passau, Germany, Roberto Meli, DPO, Italy, Olga Ormandjieva, Concordia University, Canada, Andreas Schmielendorf, FH Harz Wernigerode, Germany, Harry Sneed, SES Munich/Budapest, Hungary, Charles Symons, Software Measurement Service Ltd, Edenbridge, UK, Hannu Toivonen, Nokia, Finland, Horst Zuse, TU Berlin, Germany

SUBMISSIONS (Full papers)
- Authors should send proposed papers by e-mail by April 10, 2005
- Notification of acceptance on: May 15, 2005
- Final paper presentation: July 15, 2005

All proposals should be sent to Alain Abran or Reiner Dumke:

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