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Reiner Dumke (Eds.)**

Innovations in Software Measurement

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Preface to the IWSM

The International Workshop on Software Measurement has a long tradition in the German community on Software Metrics, from its beginning as a small working group with the initiators (Reiner Dumke, Christof Ebert and Horst Zuse) currently leading the German Computer Science Interest Group on Software Measurement (GI FG 2.10)).

After the initial contacts with the Canadian Interest Group in Software Metrics (CIM), in particular with the team of Prof. Alain Abran in Montréal in the early 90's, the goals of the workshop have focused progressively on the measurement processes as well as on practical issues of interest to industry. For instance, a key event at the 8th IWSM was the founding of the Common Software Measurement International Consortium (COSMIC) which has played since an important role in the application of modern software measurement methodologies and innovations. Software process evaluation and improvement require quantified methods and technologies. Issues such as the applicability of measures to software, the efficiency of measurement programs in industry and the theoretical foundations of software engineering have been researched in order to evaluate and improve modern software development approaches.

Our proceedings published at the Deutsche Universitätsverlag and the Shaker-Verlag (Aachen, Germany) constitute a collection of both theoretical studies in the field of software measurement and case study reports on the application of software measurements in companies and universities in Argentina, Australia, Austria, Bahrain, Belgium, Brazil, Bulgaria, Canada, Finland, France, Germany, Ghana, Italy, Netherlands, Poland, Slovenia, Spain, Switzerland, UK, USA and Vietnam.

These proceedings of the 15th International Workshop on Software Measurement (IWSM 2005) are of particular interest to software engineering researchers, as well as to practitioners, in the areas of project management and quality improvement programs, for both software maintenance and software development.

We would like to thank the members of the program committee:

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