

Preface

The pressure for more efficient software development and maintenance processes, delivering appropriate quality software within a certain budget and time frame, is constantly increasing. Software measurement is a key tool in helping to manage and to control software development and maintenance projects. Measurement is essential to any engineering activity, by increasing the scientific and technical knowledge for both the practice of software development and maintenance and for empirical research in software technology. For this reason, there appeared a need to organize a forum where new ideas from the world of academic research on software measurement could meet up with practical improvements from industry.

The IWSM Mensura conference is the result of the joining of forces of the International Workshop on Software Measurement (IWSM) and the International Conference on Software Process and Product Measurement (Mensura).

The International Workshop on Software Measurement (IWSM) has a long tradition that started at the beginning of the 1990s with a small working group in Germany with Prof. Reiner Dumke, Prof. Horst Zuse, and Christof Ebert. In the late 1990s, Prof. Alain Abran with his team from the University of Québec joined in. From the beginning, IWSM was organized in various German cities, and later, until 2006, IWSM alternated between the Montréal area in Canada and German cities (e.g., Magdeburg, Berlin, Regensburg, Mannheim, Königs Wusterhausen, and Potsdam).

Independent of the IWSM workshop, the International Conference on Software Process and Product Measurement (Mensura) was founded in 2006 by Prof. Juan J. Cuadrado Gallego from the University of Alcalá (Spain). The first meeting was held in Cádiz.

To foster research, practice, and exchange of experiences and best practices both conferences joined forces and held a joint conference on the Island of Mallorca (2007). Since then, both conferences have acted as a combined conference and the event is now traveling around the world: Munich (Germany, 2008), Amsterdam (Netherlands, 2009), Stuttgart (Germany, 2010), Nara (Japan, 2011), Assisi (Italy, 2012), Ankara (Turkey, 2013), and Rotterdam (Netherlands, 2014). This year, IWSM Mensura was organized in Cracow (Poland) by the Polish Software Measurement Association and the Warsaw School of Economics (SGH), the oldest and most prestigious Polish university of economics and business. This year, two anniversaries coincided: it was the 25th IWSM and the 10th Mensura and the 9th joint conference IWSM Mensura.

This year, the IWSM Mensura conference attracted 32 submissions from 25 countries from all continents. They were rigorously reviewed by 68 members of the Program Committee representing 26 countries. As a result, 13 full papers, presenting novel research and industrial results, written by authors originating from 17 countries were selected for publication in this volume.

Apart from the main conference, satellite events, i.e., workshops, sponsors' presentations, and a poster session, took place during the conference.

We would like to thank everyone who contributed to the IWSM Mensura conference. First of all we thank the authors for being ready to present their research, we appreciate the invaluable contribution of the members of the Program Committee, and we thank all the members of the local organization team for their help in the organization of the conference. We acknowledge the EasyChair development team for providing a convenient tool for organizing the process of reviewing and selecting the best papers and the Springer publishing team for their collaboration. Last but not least, we thank the Steering Committee and we hope that the IWSM Mensura 2015 conference in Cracow will be a memorable link in the IWSM Mensura conference series.

July 2015

Andrzej Kobyliński
Beata Czarnacka-Chrobot
Jarosław Świerczek

Software Measurement

25th International Workshop on Software Measurement
and 10th International Conference on Software Process
and Product Measurement, IWSM-Mensura 2015,
Kraków, Poland, October 5-7, 2015, Proceedings
Kobyliński, A.; Czarnacka-Chrobot, B.; Świerczek, J. (Eds.)
2015, XII, 209 p. 77 illus. in color., Softcover
ISBN: 978-3-319-24284-2