

# Konferenzbericht zur IWSM/Mensura 2016

5. - 7. Oktober 2016, Berlin

## Konferenzbeschreibung

Die IWSM/Mensura 2016 fand in diesem Jahr in Berlin an der Hochschule für Wirtschaft und Recht statt und wurde von der Deutschsprachigen Anwendergruppe für Software-Metrik und Aufwandschätzung (DASMA), der *GI-Fachgruppe 2.1.10 Software-Messung und Bewertung* und dem Common Software Measurement International Consortium (COSMIC) organisiert und durchgeführt.

Der Fokus der Konferenz lag neben den Grundlagen und Anwendung der Softwaremessung vor allem auf dem Big Data mit seinen Qualitäts- und Komplexitätsanforderungen sowie den Impulsen für die Softwaremessung selbst.

Die Teilnehmer dieser internationalen Tagung kamen aus Belgien, Brasilien, Deutschland, Ecuador, England, Finnland, Frankreich, Italien, Japan, Kanada, den Niederlanden, Österreich, Polen, Schweden, der Schweiz, Spanien und der Türkei.

## Konferenzinhalt

### Hauptvorträge

**Volker Merkl, Berlin Big Data Center:** Big Data Management

**Christian Reimsbach-Kounatze, OECD:** Data-Driven Innovation for Growth and Well-being

**Eric van der Vliet, CGI Estimation Center:** Solution-Based Estimation

**Wolfgang Beek, CTO SAG:** Value of Big Data

### Konferenzbeiträge

**Harry M. Sneed and Wolfgang Prentner:** Analyzing Data on Software Evolution Processes

**Till Döhmen, Magiel Bruntink, Davide Ceolin, and Joost Visse:** Towards a Benchmark for the Maintainability Evolution of Industrial Software Systems

**Cenkler Yakin:** Evolution of Process and Product Metrics Based on Information Needs

**Sylvie Trudel, Jean-Marc Desharnais, and Jimmy Cloutier:** Functional Size Measurement Patterns: A Proposed Approach

**Luigi Lavazza, Valentina Lenarduzzi, and Davide Taibi:** Towards Component-Aware Function Point Measurement

**Baris Özkan and Onur Demirors:** On the Seven Misconceptions about Functional Size Measurement

**Francisco Valdés-Souto:** Earned Scope Management: A Case of Study of Scope Performance Using COSMIC (ISO 19761) with a Real Project

**Luigi Lavazza and Sandro Morasca:** An Empirical Evaluation of Two COSMIC Early Estimation Methods

**Charles Symons, Alain Abran, Christof Ebert, and Frank Vogelezang:** Measurement of Software Size: Advances Made by the COSMIC Community

**Anja Fiegler, André Zwanziger, Sebastian Herden, and Reiner R. Dumke:** Quality Measurement of ITIL Processes in Cloud Systems

**Robert Neumann, Marcus Pöhls, Anja Fiegler, and Reiner R. Dumke:** Measurement-Based Optimization of Server License Balancing

**Niteen Kumar and Cornelly Spier:** Value of Quantitative Engagement Management: Realizing Business Objectives by Quantitatively Managing Cost, Time and Quality Dimensions of an Engagement

**Jan Hentschel, Andreas Schmietendorf, and Reiner R. Dumke:** Big Data Benefits for the Software Measurement Community

**Michael Kläs, Wolfgang Putz, and Tobias Lutz:** Quality Evaluation for Big Data: A Scalable Assessment Approach and First Evaluation Results

**Tuğba Erdoğan and Ayça Tarhan:** Process Mining for Healthcare Process Analytics

**Luigi Buglione, Alain Abran, Christiane Gresse von Wangenheim, Fergal McCaffery, and Jean Carlo Rossa Hauck:** Risk Management: Achieving Higher Maturity & Capability Levels through the LEGO Approach

*Sampo Suonsyrjä, Laura Hokkanen, Henri Terho, Kari Systä, and Tommi Mikkonen:* Post-Deployment Data: A Recipe for Satisfying Knowledge Needs in Software Development?

*Vard Antinyan, Mirosław Staron, Anna Sandberg, and Jörgen Hansson:* A Complexity Measure for Textual Requirements

*Marcin Wolski, Bartosz Walter, Szymon Kupinski, and Patryk Prominski:* One Metric to Combine Them All: Experimental Comparison of Metric Aggregation Approaches in Software Quality Models

*Kathrin Wille, Reiner R. Dumke, and Cornelius Wille:* Measuring the Accessibility Based on Web Content Accessibility Guidelines

*Mirosław Staron, Wilhelm Meding, Kent Niesel, and Alain Abran:* A Key Performance Indicator Quality Model and Its Industrial Evaluation

*Bernard Doherty, Andrew Jelfs, Aveek Dasgupta, and Patrick Holden:* Defect Analysis in Large Scale Agile Development: Quality in the Agile Factory Model

*Jean-Louis Letouzey:* Managing Large Application Portfolio with Technical Debt Related Measures

*Hela Hakim, Asma Sellami, and Hanene Ben Abdallah:* Evaluating Security in Web Application Design Using Functional and Structural Size Measurements

*Hassan Mansoor and Mirosław Ochodek:* Towards Semi-Automatic Size Measurement of User Interfaces in Web Applications with IFPUG SNAP

*Ayça Tarhan, Baris Özkan, and Gonca Canan İçöz:* A Proposal on Requirements for COSMIC FSM Automation from Source Code

*Mirosław Ochodek:* Approximation of COSMIC Functional Size of Scenario-Based Requirements in Agile Based on Syntactic Linguistic Features—A Replication Study

*Cigdem Gencel and Luigi Buglione:* The Missing Links in Software Estimation: Team Loading and Team Power

*Sousuke Amasaki and Chris Lokan:* On Applicability of Fixed-Size Moving Windows for ANN-Based Effort Estimation

*Muhammad Usman and Ricardo Britto:* Effort Estimation in Co-Located and Globally Distributed Agile Software Development: A Comparative Study

## **Tagungsband**

Die Konferenzbeiträge sind beim Online-Dienst der IEEE Computer Society Conference Publishing Services (CPS) (<http://www.computer.org/cps>) einzusehen.

Besonderen Dank gilt vor allem den den Gesamtorganisatoren Christof Ebert und Jens Heidrich sowie Andreas Schmietendorf für die exzellenten Bedingungen an der HWR in Berlin.

*Reiner Dumke, Stellvtr. Sprecher der GI-FG 2.1.10*