



IWSM Mensura 2016 Program

International Conference on Measurement and Data Analytics

October 5-7, 2016 – Berlin, Germany

WEDNESDAY, OCTOBER 5, 2016 (DAY 1)

Time	Track A	Titles
08:30-13:30		Conference Registration
09:00-10:30	Event 1	Big Data Technologies (Seminar)
10:30-12:00	Event 2	Benchmarking, Measurement, Data Analytics – Trends and Practice (Seminar)
12:00-13:30		Lunch break
13:30-14:00		Welcome and Introduction
14:00-15:00	Keynote 1	Data-Driven Innovation Study (Christian Reimsbach-Kounatze, Internet economist and policy analyst, OECD STI; chaired by Jens Heidrich)
15:00-15:30		Coffee break
15:30-17:30	Session 1A	Software Evolution (chaired by Luigi Lavazza)
15:30-16:10	Sponsor	Measuring Software Quality with CAST (Daniel Maly and Michael Haider)
16:10-16:50	1A.1	Analyzing Data on Software Evolution Processes (Harry Sneed and Wolfgang Prentner)
16:50-17:30	1A.2	Towards a Benchmark for the Maintainability Evolution of Industrial Software Systems (Till Döhmen, Magiel Bruntink, Joost Visser and Davide Ceolin)
17:30-19:00	Event 4	Open COSMIC Meeting (Open to all interested)
19:00-21:00		Welcome Reception

Time	Track B	Titles
09:00-12:00	Event 3	PIFs for Projects 2016 (Workshop)
12:00-13:30		GI / DASMA Lunch (Internal Group Meeting)

Time	Session 1B	Titles
15:30-17:30	Session 1B	Functional Size Measurement (chaired by Manfred Seufert)
15:30-16:10	1B.1	Functional Size Measurement Patterns: A Proposed Approach (Sylvie Trudel, Jean-Marc Desharnais and Jimmy Cloutier)
16:10-16:50	1B.2	Towards Component-Aware Function Point Measurement (Luigi Lavazza, Valentina Lenarduzzi and Davide Taibi)
16:50-17:30	1B.3	On the Seven Misconceptions about Functional Size Measurement (Baris Ozkan and Onur Demirörs)

Color Code

Orange	Keynote Session
Green	Co-located Event (Seminars, Workshops, or Group Meetings)
Yellow	Special Group Meeting
Blue	Presentation Session (Full and Short Papers, Industrial Presentations)
Grey	Break / Social Event



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THURSDAY, OCTOBER 6, 2016 (DAY 2)

Time	Track A	Titles
08:00-08:30		Conference Registration
08:30-09:30	Keynote 2	Big Data Management and Scalable Data Science (Volker Markl, Director, Berlin Big Data Center; chaired by Christof Ebert)
09:30-10:00		Coffee break
10:00-12:00	Session 2A	COSMIC (chaired by Sylvie Trudel)
10:00-10:40	2A.1	Earned Scope Management: A Case of Study of Scope Performance using COSMIC (ISO 19761) with a Real Project (Francisco Valdes-Souto)
10:40-11:20	2A.2	An Empirical Evaluation of two COSMIC Early Estimation Methods (Luigi Lavazza and Sandro Morasca)
11:20-12:00	2A.3	Measurement of software size: Advances made by the COSMIC community (Charles Symons, Christof Ebert, Alain Abran and Frank Voegelzang)
12:00-13:00		Lunch break
13:00-14:20	Session 3A	Big Data & Analytics (chaired by Eberhard Kranich)
13:00-13:40	3A.1	Big Data benefits for the Software Measurement Community (Jan Hentschel, Reiner Dumke and Andreas Schmietendorf)
13:40-14:00	3A.2	Quality Evaluation for Big Data: A Scalable Assessment Approach and First Evaluation Results (Michael Klaes, Wolfgang Putz and Tobias Lutz)
14:00-14:20	3A.3	Process Mining for Healthcare Process Analytics (Tugba Erdogan and Ayça Tarhan)
14:20-14:50		Coffee break
14:50-16:10	Session 4A	Process Improvement (chaired by Andreas Schmietendorf)
14:50-15:30	4A.1	Risk Management: Achieving Higher Maturity & Capability Levels through the LEGO approach (Luigi Buglione, Alain Abran, Christiane Gresse von Wangenheim, Fergal McCaffery and Jean Carlo Rossa Hauck)
15:30-16:10	4A.2	Post-Deployment Data: A Recipe for Satisfying Knowledge Needs in Software Development? (Sampo Suonsyrjä, Laura Hokkanen, Henri Terho, Kari Systä and Tommi Mikkonen)
16:10-17:10	Event 6	Data Manipulation Measurement (Workshop)
17:10-18:30		MAIN Meeting (Internal Group Meeting)
19:00-23:00		Conference Banquet (Shuttle Bus 18:40h)

Time	Track B	Titles
10:00-12:00	Session 2B	Management (chaired by Stavros Pechlivanidis)
10:00-10:40	2B.1	Quality Measurement of ITIL Processes in Cloud-Systems (Anja Fiegler, Andre Zwanziger, Sebastian Herden and Reiner Dumke)
10:40-11:20	2B.2	Measurement-Based Optimization of Server License Balancing (Robert Neumann, Anja Figler, Marcus Pöhl and Reiner Dumke)
11:20-12:00	2B.3	Value of Quantitative Engagement Management - Realizing business objectives by quantitatively managing cost, time and quality dimensions of an engagement (Niteen Kumar and Cornelly Spier)
12:00-13:00		Von „Messen“ zu „Data Analytics“ - Bedarf und Evolution der deutschen Interessenten & Anwender (Lunch Discussion, in German)
13:00-14:20	Event 5	Software Measurement in the Context of Industry 4.0 (Workshop)
14:50-16:10	Session 4B	Metrics (chaired by Andreas Deuter)
14:50-15:30	4B.1	A Complexity Measure for Textual Requirements (Vard Antinyan and Mirosław Staron)
15:30-15:50	4B.2	One Metric to Combine Them All. An Experimental Comparison of Metric Aggregation Approaches (Bartosz Walter, Marcin Wolski, Patryk Promiński and Szymon Kupiński)
15:50-16:10	4B.3	Measuring the accessibility based of WCAG 2.0 Guidelines (Kathrin Wille, Cornelius Wille and Reiner Dumke)
16:10-17:10	Event 7	Estimating Packaged Software (Workshop)



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FRIDAY, OCTOBER 7, 2016 (DAY 3)

Time	Track A	Titles
08:00-08:30		Conference Registration
08:30-09:30	Keynote 3	„Always On“ – Essential Capability for the Big Data Value Chain (Martin C. Neuenhahn, Business Consultant, Software AG; chaired by Reiner Dumke)
09:30-10:00		Coffee break
10:00-11:40	Session 5A	Software Quality (chaired by Harry Sneed)
10:00-10:40	5A.1	A Key Performance Indicator Quality Model and Its Industrial Evaluation (Miroslaw Staron, Wilhelm Meding, Kent Niesel and Alain Abran)
10:40-11:20	5A.3	Managing Large Application Portfolio with Technical Debt Related Measures (Jean-Louis Letouzey)
11:20-11:40	5B.3	A Proposal on Requirements for COSMIC FSM Automation from Source Code (Ayça Tarhan, Barış Özkan and Gonca Canan İçöz)
11:40-12:40		Lunch break
12:40-14:00	Session 6A	Estimation (chaired by Thomas Fehlmann)
12:40-13:20	6A.2	The Missing Links in Software Estimation: Work, Team Loading and Team Power (Cigdem Gencel, Luigi Buglione)
13:20-13:40	6A.3	On Applicability of Fixed-Size Moving Windows for ANN-based Effort Estimation (Sousuke Amasaki and Chris Lokan)
13:40-14:00	6A.4	Effort Estimation in Co-located and Globally Distributed Agile Software Development: A Comparative Study (Muhammad Usman and Ricardo Britto)
14:00-14:10		Coffee pit stop
14:10-15:10	Keynote 4	Solution-based Estimation (Eric van der Vliet, Director, CGI Global Estimation Center; chaired by Frank Vogelesang)
15:10-15:20		Awards and Conference Closing

Time	Track B	Titles
09:30-10:00		GI-Fachgruppe SW-Messung (Membership Meeting)
10:00-11:40	Session 5B	Size Measurement (chaired by Charles Symons)
10:00-10:40	6A.1	Approximation of COSMIC functional size of scenario-based requirements in Agile based on syntactic linguistic features – a replication study (Miroslaw Ochodek)
10:40-11:20	5B.1	Evaluating Security in Web Application Designs Using Functional and Structural Size Measurements (Hela Hakim, Asma Sellami and Hanene Ben Abdallah)
11:20-11:40	5B.2	Towards semi-automatic size measurement of user interfaces in web applications with IFPUG SNAP (Hassan Mansoor and Miroslaw Ochodek)
12:40-14:10	Event 8	Metrics in Contracts (Workshop)