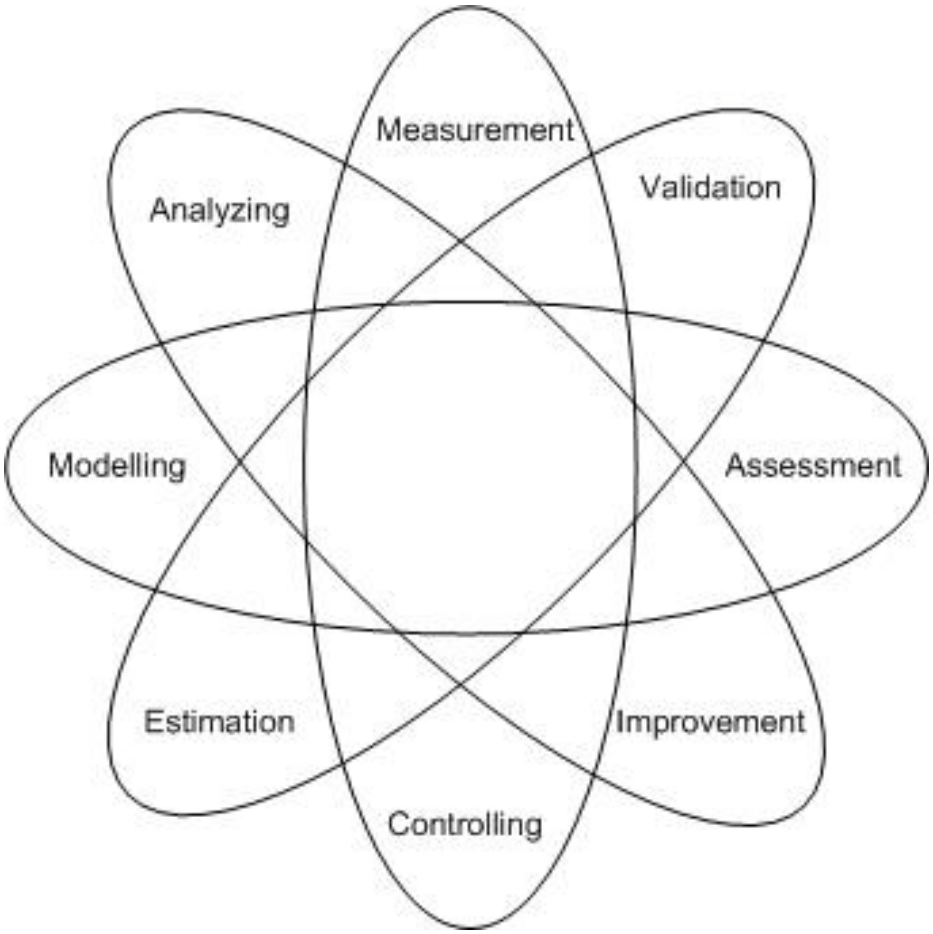
Volume 19, Number 2, September 2014

Software Measurement News

Journal of the Software Metrics Community



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Alain Abran, Günter Büren, Reiner Dumke, Christof Ebert, Cornelius Wille

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The *SOFTWARE MEASUREMENT NEWS* can be ordered directly from the Editorial Office (address can be found below).

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Deutschsprachige Anwendergruppe für Software-Metrik und Aufwandschätzung e.V.

MetriKon 2014

DASMA Software Metrik Kongress
6. - 7. November 2014
Stuttgart, Vector Consulting Services

GI-Fachgruppe 2.1.10 "Software Messung und Bewertung"

Programmübersicht MetriKon 2014

Die Keynotes der Tagung

- **Messung in der Erstellung und Prüfung von Lastenheften**
  Dr. Frank Houdek, Daimler AG

- **Software Technologien und Trends - Tipps für die Praxis**
  Dr. Christof Ebert, Vector Consulting Services GmbH

Die Fachvorträge der Tagung

- **Fokussieren von Inspektionen und Tests bei der Qualitätssicherung mobiler Applikationen**
  Konstantin Holl und Frank Elberzhager

- **Von einem der auszog die Funktionspunkt-Methode zu ergründen**
  Dr. Thomas Liedtke

- **Frühe Metriken zur Bestimmung des Testerfolgs**
  Dr. Thomas Liedtke

- **Was bedeuten die Hofstede-Dimensionen für Training und Lehre des Software Engineerings?**
  Andrea Herrmann

- **Retrieving the state of the art and of the practice in QA for data inconsistencies**
  Alexander Klaus und Frank Elberzhager

- **Softwareentwicklung von Big Data Applikationen: eine kritische Betrachtung der einhergehenden Aufwände**
  Andreas Schmietendorf

- **Kriterienbasierte Evaluation plattformübergreifender Frontend-Technologien**
  André Nitze und Andreas Schmietendorf

- **Kennzahlen für das Management von Arbeitsplatz IT Assets – Bericht aus der Praxis**
  Christopher Schulz

- **Challenges in a Creative and Dynamic Environment: A Process Review at a Medium-sized Web Company**
  Philipp Diebold, Constanza Lampasona, Oliver Kemmann and Christoph Kemmann

- **Effort Estimation with Full Function Points - Practical Experiences and Guidelines**
  Christof Ebert und Hassan Soubra

- **Software Metric Tools: An Overview on Existing Tools and their Features**
  Sofia Vidal, Philipp Kaiser und Constanza Lampasona

- **Parametrische Risikomodelle für ein professionelles Bid Management**
  Carl Friedrich Kreß und Achim Grochowski

- **Measuring Technical Debt in Legacy Systems**
  Harry Sneed

- **Counting Function-Points in the Source Code**
  Harry Sneed

- **Ausarbeitung von Kennzahlen zur Messung und Analyse der Cost of Non-Quality innerhalb des Qualitätswesens mit Fokus auf den Development Process**
  Fabienne Auer and Wolfgang Kuhl

- **Kosten- und Nutzenanalysen bei der Auswahl prozessbezogener Cloud-Services für Klein- und Mittelständische Unternehmen**
  Andreas Schmietendorf

- **Process Integrity in SOA Migration**
  Ayman Massoud

- **Analyse von Ressource Pooling Varianten in Cloud-Systemen**
  Anja Fiegler, Andre Zwanziger und Reiner Dumke

IWSM MENSURA 2014 - ROTTERDAM

Conference Program

October 6-8, 2014

nesma

IWSM MENSURA 2014 - ROTTERDAM

Welcome aboard

Welcome aboard the ss Rotterdam for the IWSM Mensura conference 2014. We have done our best to prepare a varied program for you around the central theme of software measurement.

The core of this conference is the exchange of new ideas and practical experience from both the academic institutions and the industry practice. These ideas and experiences have been written down in papers that have been submitted and reviewed. They will be presented in two tracks on this conference.

The presentations are grouped by theme. As you see in the program we have both 30 and 45 minute presentation slots. In the 30 minute slots short papers are presented. Full papers are presented in 45 minute slots. We have decided not to make separate tracks for short and full papers, since we believe that the theme is more important to facilitate the knowledge exchange this conference is meant for.

Our A-track contains the more general software measurement themes and will be held in the LaFontaine room on the B-deck. In the B-track you will find more in-depth themes. This track will be held in the Odyssee room on the B-deck.

For those of you who are interested in all the details of a certain topic we also have a workshop track. Most of the workshops will be held in one of siderooms of the LaFontaine room on the B-deck.

To complete the program we also have a number of invited presentations from Software Measurement Associations and keynotes from renowned experts in different aspects of software measurements.

Enjoy the conference!

Organizing Committee
Frank Vogelezang
Eric van der Vliet
René Nijland

Program Committee
Maya Daneva
Frank Vogelezang

Conference Board
Alain Abran
Reiner Dumke
Juan Cuadrado

To help you find the right location we use the following colours:

- LaFontaine room, B-deck
- Odyssee room, B-deck
- siderooms LaFontaine room, B-deck
- Central lobby, Main deck
- Glass-enclosed promenade, upper promenade deck

IWSM MENSURA 2014 - ROTTERDAM

Monday October 6

8:30		Registration	
8:45			
9:00	Workshop COSMIC Masterclass, part 1		Exam Cito/Nesma CFPA Exam (English)
9:15			
9:30			
9:45			
10:00		Workshop IT Confidence, part 1	
10:15			
10:30	COFFEE BREAK		
10:45			
11:00	Workshop COSMIC Masterclass, part 2	Workshop IT Confidence, part 2	
11:15			
11:30			
11:45			
12:00			
12:15			
12:30	LUNCH		
12:45			
13:00			
13:15	COSMIC I	Measurement Programs	
13:30	Opening speech		
13:45	Alexandre Orlov, Renault Manage the automotive embedded software development with automation of COSMIC		Workshop Metrics for green and sustainable software, part 1
14:00			
14:15			
14:30	Dumke, Neumann, Schmietendorf, Wille Empirical-based extension of COSMIC	Ostberg, Wagner Automatic collectable metrics maintainability	
14:45			
15:00	Van Heeringen, Van Gorp Functional size of a mobile app with COSMIC	De Weerdt Gathering data on IT maintenance work	
15:15			
15:30	TEA BREAK		
15:45			
16:00	Fehlmann, Kranich Defect density measurements using COSMIC Experience with apps and embedded systems	Rayanello, Desharnais, Bautista Performance measurement for cloud computing applications using ISO 25010	Workshop Metrics for green and sustainable software, part 2
16:15			
16:30			
16:45	Soubra, Abran, Ramdane-Cherif Verifying the accuracy of automation tools for the measurement of COSMIC	Lami, Fabbrini, Buglione An ISO/IEC 33000 compliant measurement framework for sustainability assessment	
17:00			
17:15			
17:30	Open COSMIC meeting Annual meeting of the IAC Exchange of experiences with the COSMIC method and coordinating new activities with regard to the COSMIC method Open to everyone with interest in COSMIC		
17:45			
18:00			
18:15			
18:30			
18:45			
19:00			

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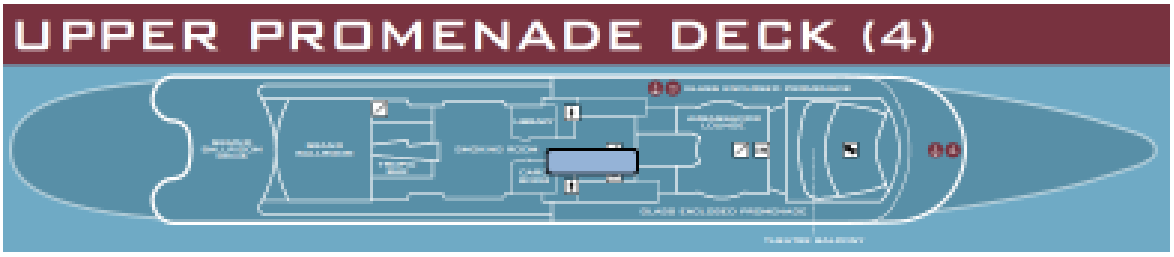
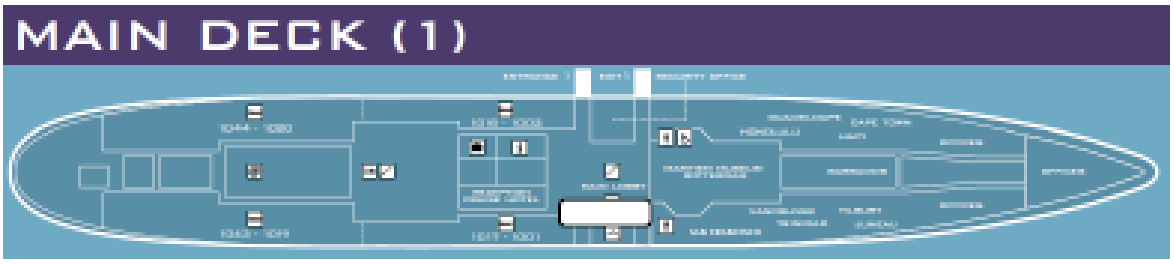
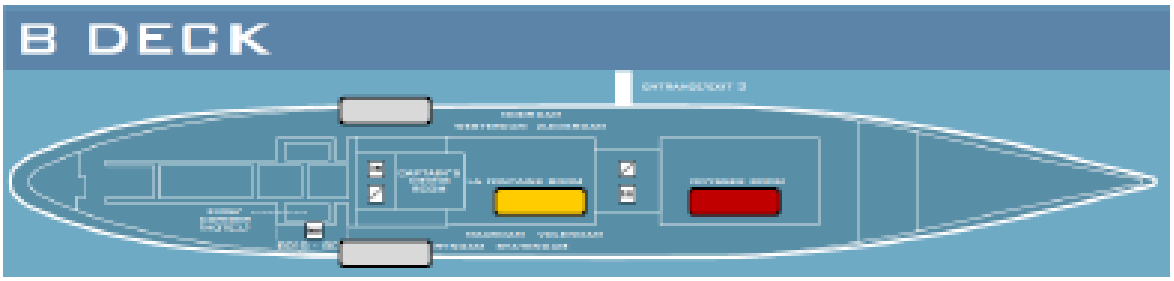
IWSM MENSURA 2014 - ROTTERDAM

Legend







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- Odyssee room, B-deck
- siderooms LaFontaine room, B-deck
- Central lobby and San Francisco office room, Main deck
- Glass-enclosed promenade, upper promenade deck

IWSM MENSURA 2014 - ROTTERDAM

Tuesday October 7

8:30 8:45		Registration	
	Old themes revisited		
9:00 9:15	*Alain Abran – Wake-up presentation* Transforming Dust Into Pots of Gold?	New approaches	*Exam* *09.00 COSMIC Entry-level certification* *Workshops* *09.00 Performance Impact Factors for ICT projects, part 1* *10.00 FPA in Contracts, part 1*
9:30 9:45	*Antinyan, Staron* Defining technical risk in sw development	*Wiens, Vogelezang* Cost estimation of transition projects	
10:00 10:15	*Kuijpers* Automated FPA in an SAP environment	*Nitze, Schmietendorf* Analogy-based effort estimation for mobile	
10:30 10:45	COFFEE BREAK		
11:00 11:15 11:30	*Swinnen* Putnam's Effort-Duration Trade-Off Law Is the software estimation problem solved?	*Durbic, Staron, Tichy, Hansson* Quantifying long-term evolution of industrial meta-models – A case study	*Workshops* *Performance Impact Factors for ICT projects, part 2* *FPA in Contracts, part 2*
11:45 12:00 12:15	*Vogelezang, de Vries* The added value of enhancement function points	*Ayaolmaz, Demirörs* Automated Functional Size Estimation using Business Process Models with UPROM	
12:30 12:45 13:00	LUNCH		
13:15	Nesma anniversary program	Quality aspects	
13:30	Opening speech by the Nesma board	*Bugiono, Abran* Measurement Process: Improving the ISO 15939 Standard	*Workshop* *Productivity monitoring, part 1*
13:45 14:00	*Eljo Foort* Solution Based Estimating		
14:15 14:30	*John Ogilvie (ISBSG)* The Importance of benchmarking	*Idri, Oukhi, Fernandez-Aleman, Toval* Evaluating Software Product Quality: A Systematic Mapping Study	
14:45 15:00 15:15	*Don Galorath* Why Can't People Estimate: Estimation Bias and Strategic Mis-Estimation	*Ertugrul, Yilmaz, Salmanoglu, Demirörs* Highlighting Error Categories in FSM Training	
15:30 15:45	TEA BREAK		
16:00 16:15	*Nesma* Launch of the new nesma.org website	*Staron, Rana, Meding, Nilsson* Consequences of mispredictions of reliability	*Workshop* *Productivity monitoring, part 2*
16:30 16:45	*Mauricio Aguiar (IFPUG)* Sizing the Entire Development Process	*Wetzlmaier, Klammer, Ramler* Extracting dependencies from sw changes	
17:00 17:15 17:30	*Amir Avoori, ING* From dashboard management to an Improvement Index for the teams		
17:45 18:00 18:15			
18:30 18:45 19:00	*Social event* Details to be announced later		

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Wednesday October 8

WSM MENSURA 2014 - ROTTERDAM

8:30			
8:45	Measurement		
9:00	*Charles Symons – Wake-up presentation* Lies, damned lies and software metrics		
9:15		Measuring requirements	
9:30	*Shahid Bajwa, Gencel, Abrahamsson* Software product size measurement methods	*Daneva* Understanding Functional Reuse of ERP	
9:45			
10:00	*Koulla Moulla, Kolyang* Application of FSM to Open Source software	*Trudel, Dumas-Monette* Requirements engineering quality revealed	
10:15			
10:30	COFFEE BREAK		
10:45			
11:00	*Lavazza, Mell* An evaluation of Simple Function Points as a replacement of IFPUG function points	*Deuter, Engels* Measuring the software size of sliced V-model projects	*Workshop* *Fermi questions, part 1*
11:15			
11:30			
11:45	*Czarnacka-Chrobot* Analysis of the per-unit work effort and per-unit work cost of the web information portal	*Rezaei, Eberajli, Sandahl, Staron* Identifying and managing complex modules in executable software design models	
12:00			
12:15			
12:30	LUNCH		
12:45			
13:00			
13:15	Estimation	COSMIC II	
13:30	*Azzhra Amasai, Idri, Abran* An analogy-based approach to estimation of software development effort	*Saß, Tarkan* Measuring COSMIC software size from functional execution traces of Java	*Workshop* *Fermi questions, part 2*
13:45			
14:00			
14:15	*Fehlmann, Kranich* Exponentially weighted moving average prediction in sw development process	*Valdés Souto, Abran* COSMIC approximate sizing using a fuzzy logic approach	
14:30			
14:45			
15:00	*Rini van Solingen, TU Delft* Why GQM is more relevant than ever and why it helps to solve Agility challenges		
15:15			
15:30			
15:45	*Closing Speeches* Best paper & Best presentation award		
16:00			
16:15	Farewell Tea		
16:30			
16:45			
17:00			

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9. WORKSHOP

BEWERTUNGSASPEKTE SERVICE- UND CLOUDBASIERTER ARCHITEKTUREN

BSOA/BCLOUD2014

04. NOVEMBER 2014 – FRANKFURT/M., 09:00 BIS 17:00 UHR

Gastgeber:

BLUECARAT AG – Frankfurt/M.

Hotel Monopol, Raum Haydn
URL: http://www.bluecarat.de

Sprecher der BSOA-Initiative:

Prof. Dr.-Ing. habil. Andreas Schmietendorf

Hochschule für Wirtschaft und Recht Berlin, FB II
Alt-Friedrichsfelde 60, D-10315 Berlin, Email: andreas.schmietendorf@hwr-berlin.de

Beiträge zur BSOA/BCloud-Tagung in Frankfurt/M.
04. November 2014 – 09:00 bis 17:00 Uhr

Eingeladener Sprecher - Keynote

Harry Sneed – TU Dresden
SoA Integration als Alternativ zur Code-Migration 45 min

Ausgewählte Präsentationen

Uta Pollmann - Bluecarat AG
Interoperabilität über Unternehmensgrenzen hinweg: Von SOA zum API-Management

Markus Mayer, Juraj Somorovsky – Axway GmbH, Ruhr Universität Bochum
SOAP to REST: Security Enhancement?

Jan Hentschel, Robert Neumann - Ultra Tendency
Bewertung der Einsatzmöglichkeiten von Cloud Services für Big Data Lösungen

Frederick Kramer - initOS GmbH & Co. KG
Auswahl und Parametrisierung einer Entscheidungsmethode zur Auswahl von Cloud Services in KMU

André Nitze – HWR Berlin
Interoperability of Cross-Platform Mobile Services in Heterogeneous Environments

Michael Heydeck, Thomas Wiedemann – HTW Dresden
Praxislösung für das gruppenorientierte SOA-Praktikum

Moderierte Diskussionsrunde zu aktuellen Herausforderungen

Dr. Frank Simon – BLUECARAT AG *Prof. Dr. Andreas Schmietendorf – HWR Berlin*

Ausgewählte Kurzpräsentationen

Marco Mevius, Florian Kurz – HTWG KonstanzPeter Wiedmann - Axon Active AG Schweiz
Nutzerorientierte Multimedia-Geschäftsprozessmodelle als Basis der Serviceorchestrierung

Victor Czenter - SQS AG
Performancetesten in und aus der Cloud

Tim Kiese, Konrad Ohms – IBM Deutschland GmbHAndreas Schmietendorf – HWR Berlin & OvG Universität Magdeburg
Einsatzszenarien servicebasierter Schnittstellen bei NoSQL-Datenbanksystemen am Beispiel von CouchDB

Tagungsort:

Ort: Hotel Monopol, Raum Haydn

Mannheimer Straße 11-13 D-60329 Frankfurt am Main,

Direkt gegenüber Hauptbahnhof – Südseite

Hotelinformationen: http://www.hotelmonopol-frankfurt.de

Weiteren Informationen und Anmeldung unter:

http://www-ivs.cs.uni-magdeburg.de/~gi-bsoa/2014 oder http://www.cecmg.de

Bei Anmeldung bis zum 25. Oktober 2014 wird eine Teilnahmegebühr von 140,– € (ceCMG-, DASMA-, GI- und ASQF-Mitglieder: 120,– €) erhoben, danach 160,– € (ceCMG-, DASMA-, GI- und ASQF-Mitglieder: 140,– €). Über den Tagungsbeitrag erhalten Sie eine Rechnung der ceCMG e.V. (Central Europe Computer Measurement Group).

Der BSOA/BCloud-Workshop richtet sich an ein deutschsprachiges Publikum, dem entsprechend werden die Vorträge überwiegend in deutscher Sprache gehalten. Die korrespondierenden Artikel der Referenten werden den Teilnehmern in Form eines Tagungsbands zur Verfügung gestellt. Die Ergebnisse der moderierten Diskussionsrunden werden zeitnah im Internetauftritt der ceCMG zur Verfügung gestellt.

COSMIC News, August 2014

COSMIC is a voluntary, world-wide grouping of software metrics experts. Started in 1998, COSMIC has developed the most advanced method of measuring a functional size of software.

The method is easy to learn and simple to use. The method is entirely open. All method documentation is available in the public domain for free download.

Website | LinkedIn | Twitter | SlideShare

This Newsletter

Annual Report 2013

COSMIC SlideShare

COSMIC on the IWSM Mensura conference in Rotterdam

Entry-level v4.0 certification exam

COSMIC in the US

COSMIC IAC representatives

COSMIC Annual Report 2013

Like a true multinational it took us a while to compile our annual report, but finally it's ready. We gave it the title:

Accelerating use throughout the world

The year 2013 has shown further great progress in the acceptance and development of the COSMIC method. If 2012 was the year in which acceptance of the method 'took off', then 2013 was the year in which its acceptance continued to climb steeply – see the statistics in this report.

We also made substantial progress in the development of 4.0 version of the method, which was published in 2014, and in the creation of new guides.

The progress we see in the acceptance and use of the COSMIC method varies from country to country. Therefore we have asked our International Advisory Council representatives to share some of the highlights of COSMIC use and acceptance in their country.

You can download the Annual Report from our SlideShare account.

Frank Vogelezang, President

COSMIC use throughout the world

COSMIC on SlideShare.net

COSMIC has opened an account on SlideShare. Our aim is to publish presentations on COSMIC in any language in that account. Do you have presentations in any language that you want to share with the whole COSMIC community, send them to Frank Vogelezang and he will make sure it is made available on SlideShare.

In this way we want to make the COSMIC method easily available to a wide audience.

COSMIC on the IWSM Mensura conference

On October 6-8 the IWSM Mensura conference will be held in Rotterdam. During this conference many research developments on COSMIC will be presented. In total six papers that are focussed around COSMIC will be presented.

If you want a comprehensive update on version 4.0 you can start the conference by attending the COSMIC Masterclass. This year the conference has a diverse workshop program of 8 workshops.

Alexandre Oriou from Renault will give the Monday keynote on how they use COSMIC to manage the automotive embedded software development cost and productivity with automated measurement.

On Monday afternoon there will be an open COSMIC meeting with IAC members and all those who are interested in COSMIC developments.

Entry-level certification exam

Also during the IWSM Mensura conference there will be a COSMIC Entry-level certication exam on Tuesday, October 7 in Rotterdam. *More info on the exam*

Currently we are testing the new COSMIC version 4.0 exam and when these tests are in order, this will be the first public version of the COSMIC version 4.0 exam.

COSMIC in the US

We are looking to create a directory of COSMIC users that are based in the US, so we can begin networking and sharing COSMIC experiences.

It is envisioned that we would meet, via conference call, on a periodic basis, perhaps quarterly. During that call, users can share experiences they have had in the use of COSMIC. More importantly, this time together could be used to discuss ways in which we could advance the use of COSMIC in the US.

If you would please forward the following information to David Herron at dherron@cosmicon.com then we can start to share experiences.

- Name
- Location (US city)
- Company
- Job title
- e-mail address
- Phone

COSMIC IAC representatives

In 23 countries around the world COSMIC has members of the International Advisory Council to represent the COSMIC organization to that country. Those countries are coloured blue in the world map above.

If you are interested in networking with other COSMIC users (like in the US initiative) or in exchanging news or questions in your own language you can contact the IAC member in your country or region:

Belgium
- Naji Habra

Brazil
- Mauricio Aguiar

Canada
- Jean-Marc Desharnais
- Sylvie Trudel

China
- Dylan Ren

Ecuador
- Carlos Monsalve
- Monica Villavicencio

Finland
- Pekka Forselius

France
- Bernard Londeix
- Sophie Stern

Germany
- Günter Bühren
- Reiner Dumke

India
- Jay Jayakumar

Italy
- Roberto Meli
- Luca Santillo

Japan
- Shin-Ichi Nagano

Mexico
- Blanca Gil
- Francesco Valdes

the Netherlands
- Harold van Heeringen
- Ton Dekkers

Poland
- Beata Czarnacka-Chrobot
- Jarolaw Swierczek

Russia
- Maxim Rusakov

Sweden
- Kenneth Lind

Switzerland
- Thomas Fehlmann

Turkey
- Onur Demirors
- Cigdem Gencel

United Arab Emirates
- Manar Abu Talib
- Adel Khelifi

United Kingdom
- Charles Symons
- Chris Woodward

United States
- David Herron

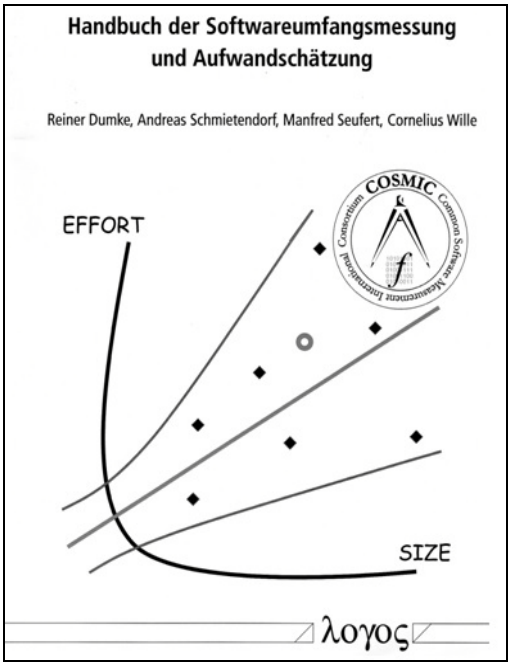
Vietnam
- Ho Tuong Vinh

Sign up ***if you are not yet a subscriber***

Reiner Dumke, Andreas Schmietendorf, Manfred Seufert, Cornelius Wille

Handbuch der Softwareumfangsmessung und Aufwandschätzung

Logos-Verlag Berlin, ISBN 978-3-8325-3784-5



Den Kern des Buches bildet eine erstmals umfassende und vollständige Beschreibung einer exakten Bestimmung des Softwarefunktionsumfangs nach den so genannten COSMIC Function Points. Dabei werden neben der Methode selbst auch umfassende Beispiele für die verschiedensten Anwendungsgebiete und -paradigmen, wie Business Applikationen, SOA, Cloud Computing, wissenschaftlich-technische Berechnungen und vor allem auch für eingebettete Systeme ausführlich dargestellt, die auch die Grundlage für eine mögliche Zertifizierung nach dieser Methode bilden. Für die Anwendung dieser Methode werden einige Tools und Web-Dienste vorgestellt. Ebenso wird die Relevanz und der Inhalt einer internationalen Erfahrungsdatenbasis zur Aufwandschätzung erläutert.

Neben den vorwiegend inhaltlichen Betrachtungen werden auch die involvierten Communities vorgestellt und deren Rolle für die Thematik dieses Handbuch exemplarische herausgestellt.

Das vorliegende Handbuch eignet sich sowohl für die Praxis als auch für den auszubildenden Hochschulbereich in gleiche Weise. Es ist für Studenten mit Informatikbezug zu empfehlen, da es sich vor allem dem grundlegende Problem des Softwareumfangs selbst widmet, welches wiederum für Anwendungen zur Aufwandschätzung aber auch Komplexitäts- und Risikoanalyse relevant ist. Für den IT-Bereich unterstützt es das Management bei der Auswahl, Bewertung und geeigneteren Anwendung von Methoden des Softwareumfangs und den damit verbundenen Fragen des Aufwandes, der Qualität und der Effizienz.

Christof Ebert:

Risikomanagement kompakt

- Risiken und Unsicherheiten bewerten und beherrschen

Springer-Verlag, 2014, ISBN 978-3-642-41047-5

(http://www.springer.com/springer+vieweg/it+%26+informatik/praktische+informatik/book/978-3-642-41047-5)

Risikomanagement ist das Schlüsselwerkzeug für Führungskräfte im Projekt und in der Linie. Es hilft dabei, Chancen, Unsicherheiten und Gefahren bewusst und proaktiv anzupacken, und damit kritische Probleme zu vermeiden. Sein pragmatischer Einsatz ist heute überlebensnotwendig und aufgrund von wachsenden Anforderungen an Produkthaftung und Governance für die Unternehmensführung verpflichtend. Das deutschsprachige Standardwerk "Risikomanagement kompakt" ist jetzt in einer komplett überarbeiteten neuen Auflage bei Springer erschienen. Das Buch fasst praxisnah zusammen, was Risikomanagement ist, wie es eingeführt und eingesetzt wird. Die Neuauflage wurde komplett überarbeitet und um die Themen Produkthaftung, Governance, agiles Risikomanagement, Lieferantenmanagement und konkrete Projektkennzahlen aus der Praxis erweitert. „Risikomanagement kompakt“ fasst praxisnah und verständlich zusammen, was Risikomanagement ist, wie es eingeführt und eingesetzt wird und was die Besonderheiten bei IT-Projekten und Software-Entwicklungsprojekten sind. Der Autor beschreibt auf Basis internationaler Projektarbeit, Führungserfahrung und Beratung in der Industrie die Anwendung professioneller Techniken, mit denen Risiken erkannt, bewertet, abgeschwächt und kontrolliert werden. Der Leser profitiert von praxiserprobten Verfahren und wird in die Lage versetzt, die aktuellen Techniken und Trends optimal für sein Unternehmen zu nutzen und erfolgreich und zielorientiert umzusetzen.

Die Neuauflage wurde komplett überarbeitet und um die Themen Produkthaftung, Governance, agiles Risikomanagement, Lieferantenmanagement und konkrete Projektkennzahlen aus der Praxiserweitert. Der Autor, Dr. Christof Ebert, ist Geschäftsführer der Vector Consulting Services. Er unterstützt Unternehmen weltweit bei der Verbesserung ihrer Produktentwicklung und Produktstrategie sowie im Veränderungs-Management. Zuvor war er zehn Jahre in internationalen Führungsfunktionen für Alcatel-Lucent tätig, zuletzt mit weltweiter Verantwortung für Software-Plattformen. Er sitzt in verschiedenen Aufsichtsgremien, lehrt an der Universität Stuttgart und ist Autor mehrerer Bücher. Er leitet konzernweite Assessments von Risiken und Due Diligence und baut Governance-Strukturen auf. Aufgrund seiner herausragenden technischen Leistungen und Verdienste wurde er zum Mitglied der Alcatel Technical Academy sowie zum „Distinguished Visitor“ des IEEE ernannt.

Büren, G.; Dumke, R.R.; Ebert, C, Münch, J., Seufert, M.:

MetriKon 2013 - Praxis der Softwaremessung
Tagungsband des DASMA Software Metrik Kongresses
14.-15. November 2013, Kaiserslautern

Shaker Verlag, Aachen, 2013 (250 Seiten)

The book includes the proceedings of the MetriKon 2013 held in Kaiaerslautern in November 2013, which constitute a collection of theoretical studies in the field of software measurement and case reports on the application of software metrics in companies and universities.

Schmietendorf, A.; Hanin, M.:

BSOA/BCloud 2013
8. Workshop Bewertungsaspekte serviceorientierter Architekturen
15. November 2013, Basel, Schweiz

Shaker Verlag, Aachen, 2013 (112 Seiten), ISBN 978-3-8440-2108-0

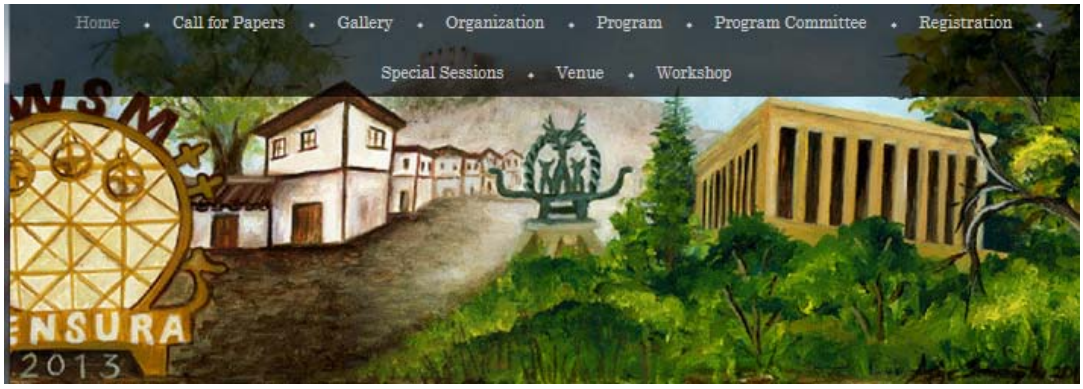
The book includes the proceedings of the BSOA/BCloud 2013 held in Basel, Switzerland, in November 2013, which constitute a collection of theoretical studies in the field of measurement and evaluation of service oriented and cloud architectures.

Abran et al.:

IWSM-MENSURA 2013
2013 Conference of the 23nd International Workshop
on Software Measurement and the 2013 Eights International Conference
on Software Process and Product Measurement
October 23-25, 2013, Ankara, Turkey

IEEE CPS Publishing Service (online), 2013

This proceedings includes the full papers and the short papers of the 2013 Conference of the 23nd International Workshop on Software Measurement (IWSM) and the 2013 Eights International Conference on Software Process and Product Measurement (MENSURA).



Adam Trendowicz;

Software Cost Estimation, Benchmarking, and Risk Assessment - The Software Decision-Makers

Springer-Verlag, 2013, ISBN: 978-3-642-30763-8

Richard Seidl und Harry Sneed:

Softwareevolution

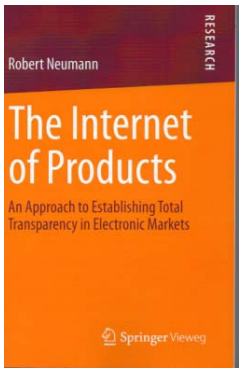
dpunkt-Verlag, 2013

Robert Neumann:

The Internet of Products

An Approach to Establishing Total Transparency in Electronic Markets

Springer Vieweg, 2013 (263 Seiten), ISBN: 978-3-658-00904-5



Janus, A.:

Konzepte für Agile Qualitätssicherung und -bewertung in Wartungs- und Weiterentwicklungs-Projekten

Shaker Verlag, 2013 (177 Seiten), ISBN: 978-3-8440-1578-2

Software Measurement Involved Conferences

August 2014:

SERA 2014:
12th ACIS Conference on Software Engineering
August 31 - September 4, 2014, Kitakyushu, Japan
see: http://www.acisinternational.org/SERA2014/

ICGSE 2014:
9th International Conference on Global Software Engineering
August 18 - 21, 2014, Shanghai, China
see: http://www.icgse.org/

RE 2014:
22th IEEE International Requirement Engineering Conference
August 25-29, 2014, Karlskrona, Sweden
see: http://webhotel.bth.se/re14/

Euromicro SEAA 2014:
40th Software Engineering & Advanced Application Conference
August 27 - 29, 2014, Verona, Italy
see: http://esd.scienze.univr.it/dsd-seaa-2014/

ICSOFT 2014:
9th International Conference on Software and Data Tehnologies
August 29 - 31, 2014, Vienna, Austria
see: http://www.icsoft.org/

September 2014:

ASQT 2014:
Arbeitskonferenz Softwarequalität und Test
September 4.-5., 2014, Klagenfurt, Austria
see: http://www.asqt.org/

QEST 2014:
International Conference on Quantitative Evaluation of Systems
September 8 - 12, 2014, Florence, Italy
see: http://www.qest.org/qest2014/

ESEM 2014:
International Symposium on Empirical Software Engineering & Measurement
September 18 - 19, 2014, Torino, Italy
see: http://softeng.polito.it/ESEIW2014/ESEM/

October 2014:

UKSMA 2014: **25th Annual UKSMA Conference - Managing your Software (through Measurement)**
October , 2014, London, UK
see: http://www.uksma.co.uk/

IWSM-MENSURA 2014: **Common International Conference on Software Measurement**
October 6-8, 2014, Rotterdam, Netherlands
see: http://2014.iwsm-mensura.org/

November 2014:

SPICE 2014: **SPICE Conference**
November 4 - 6, 2014, Vilnius, Lithuania
see: http://www.spiceconference.com/

BSOA/BCloud 2014: **9. Workshop Bewertungsaspekte service-orientierte und Cloud-Architekturen**
November , 2014,
see: http://www-ivs.cs.uni-magdeburg.de/~gi-bsoa/

MetriKon 2014: **International Conference on Software Measurement**
November 6-7, 2014, Stuttgart, Germany
see: http://www.metrikon.de/

December 2014:

PROFES 2014: **15th International Conference on Product Focused Software Process Improvement**
December 10-12, 2014, Helsinki, Finland
see: http:/www.sserg.org/profes-conferences.org/

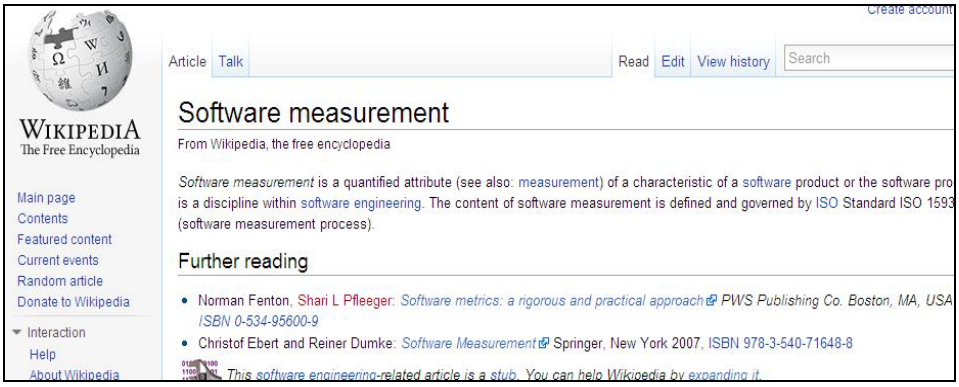
January 2015:

SWQD 2015: **Software Quality Days**
January 20-22, 2015, Vienna, Austria
see: http://2015.software-quality-days.com/en/conference/overview

see also: Conferences Link of **Luigi Buglione (**http://www.semq.eu/leng/eveprospi.htm**)**

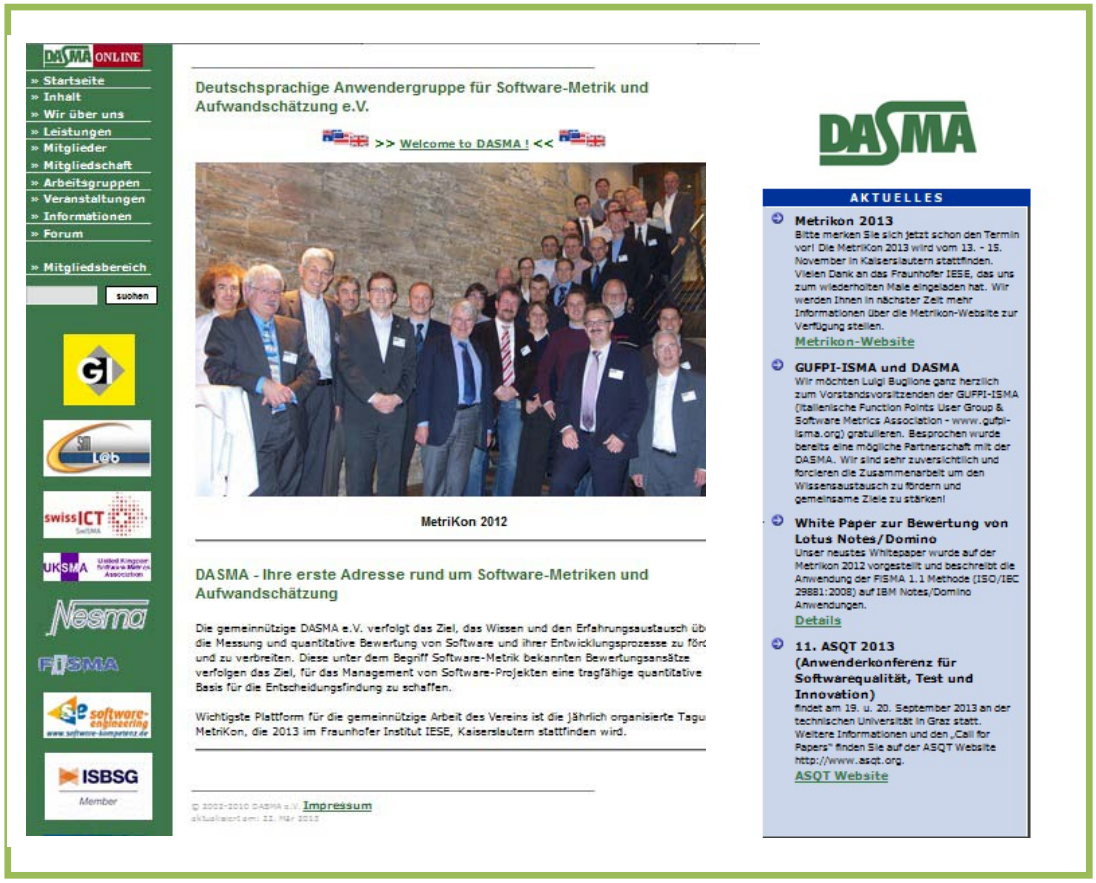
See the GI-Web site **http://fg-metriken.gi.de/** for the digital contents of the Software Measurement News:

Help to qualify the software measurement knowledge and intentions in the world wide web:

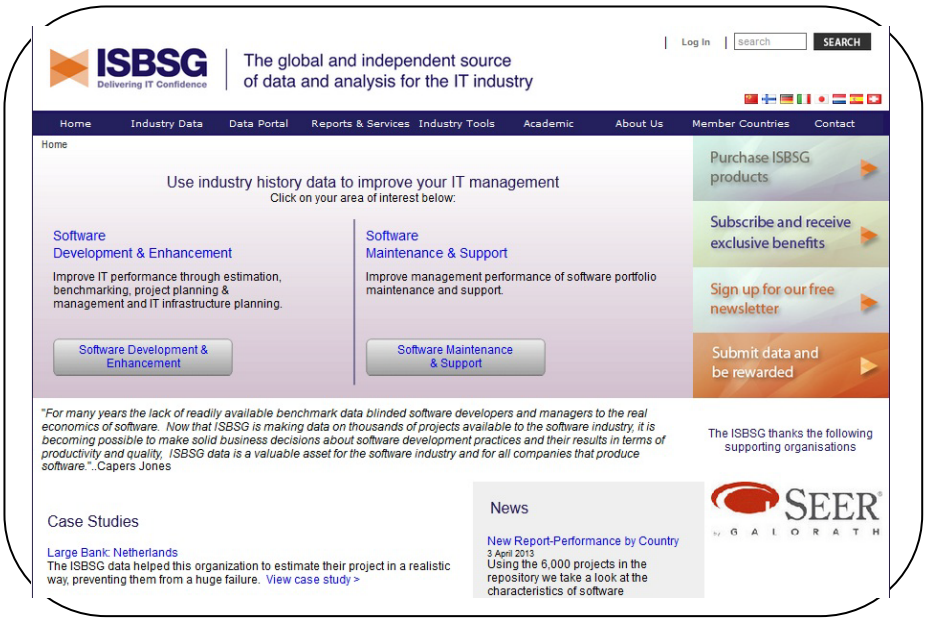


See our further software measurement and related communities:

www.dasma.org

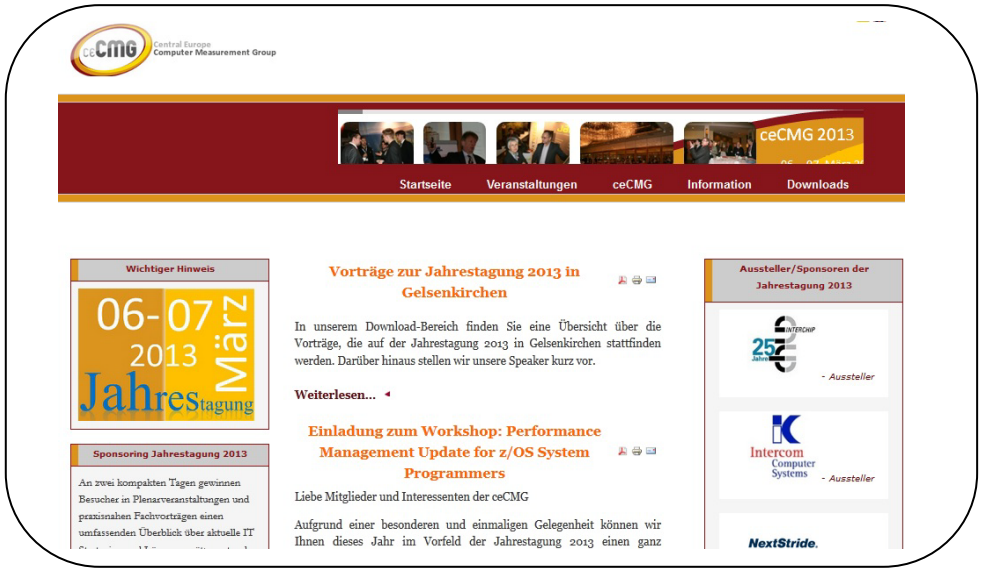


www.isbsg.org



Metrics in the World-Wide Web

www.cecmg.de



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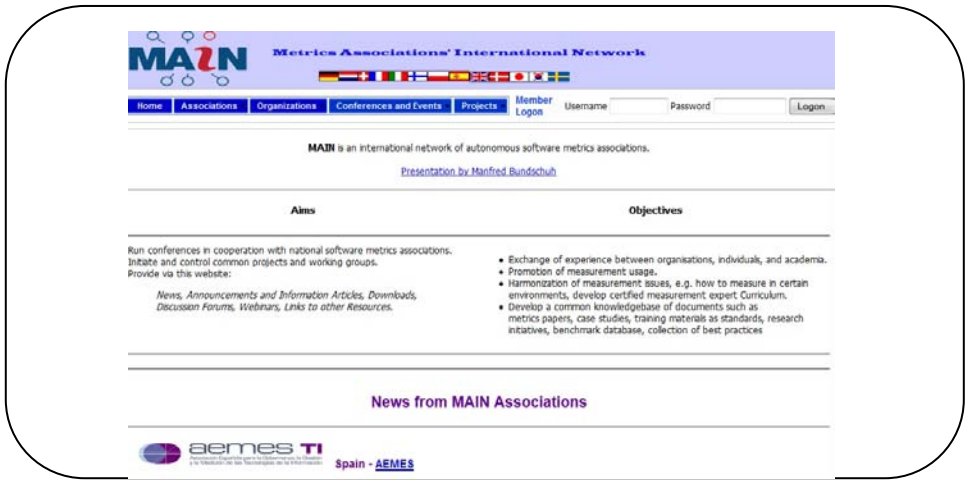
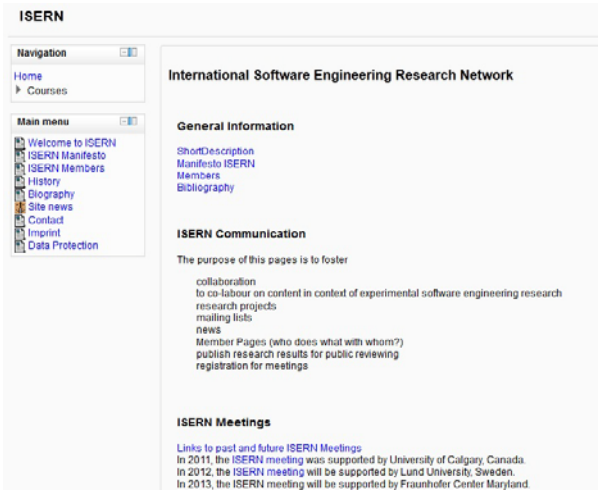


www.swebok.org

Metrics in the World-Wide Web

Isern.iese.de



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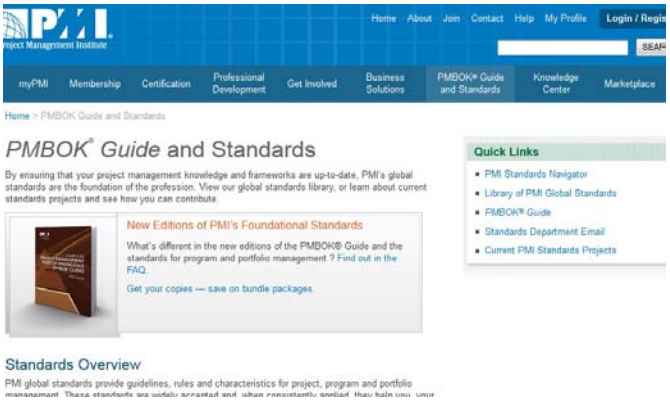

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