Experimental Software Engineering International Week

eseiw2008

6-10 October 2008, Kaiserslautern, Germany

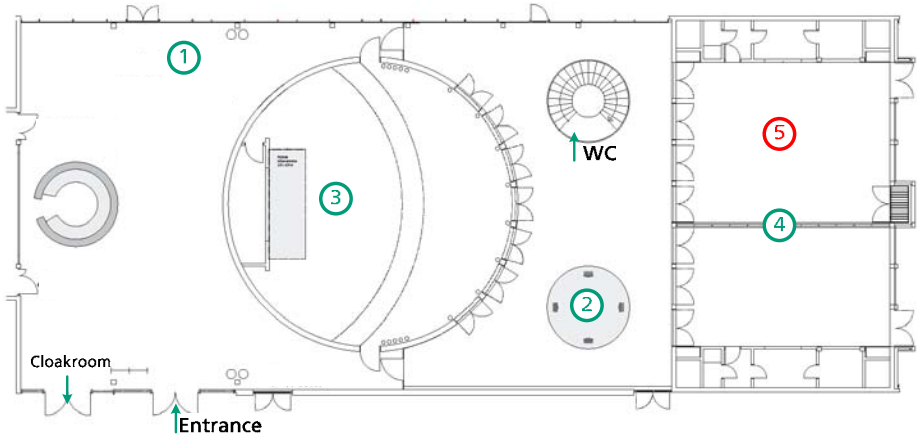
16th International Software Engineering Research Network Annual Meeting (ISERN 2008) isern

6th International Advanced School on Empirical Software Engineering (IASESE 2008) iasese

3rd International Doctoral Symposium on Empirical Software Engineering (IDoESE 2008) IDoESE

2nd ACM/IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM 2008) esem

Venue / Map of the Building



1 Conference Office (Registration)

2 Internet Access

3 Auditorium: ISERN: Welcome; ESEM: Welcome, Keynotes, Sessions A, Panel, Closing

4 Z03.07 Ground Floor: ISERN, IASESE, ESEM Sessions B

5 Z13.07 Upper Floor: IDoESE, ESEM Sessions C

Plan of Shuttle Service

Conference reception:

The conference reception will take place on Wednesday, October 09, from 19:00 to 21:00, at the Casimirsaal in the center of Kaiserslautern.

Shuttle buses will leave from Hotel Zollamt at 18:40, and from Novotel at 18:45.

In case you miss these buses, you can take a taxi or city bus from Novotel (line #102) or Zollamt (line #105 or 107) to “Schillerplatz”. From there, please walk to the Casimirsaal.

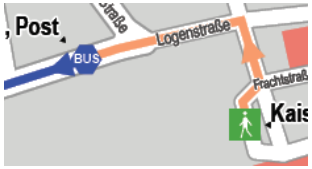
Shuttle buses from hotels to IESE:

Shuttle buses will run from both conference hotels to IESE every morning, with return trips after the conference. The morning schedule is:

	Novotel	Zollamt
Monday	08:00	08:10
Tuesday:	08:15	08:25
Wednesday:	08:15	08:25
Thursday:	08:00	08:10
Friday:	08:15	08:25

From Novotel to IESE by city bus:

- Take bus #102 to the main train station ("Hauptbahnhof")
- Walk to the "Post" stop (see below)
- Take bus #106 (towards Mölschbach) or #115 (towards Universität)
- Get off at "Fraunhofer-Zentrum"



ESEIW 2008 Program Overview

6-10 October 2008, Kaiserslautern, Germany

	Day	Evening
Monday, October 6	ISERN Meeting	ISERN Dinner Wartenberger Mühle
Tuesday, October 7	ISERN Meeting	
Wednesday, October 8	IASESE / IDoESE	Conference Reception
Thursday, October 9	ESEM Conference	ESEM Dinner Burg Lichtenberg
Friday, October 10	ESEM Conference	

Fraunhofer Center, Kaiserslautern

Event:	**Location:**
ISERN Meeting	Auditorium ③, Z03.07 ④
IASESE	Z03.07 ④
IDoESE	Z13.07 ⑤
ESEM Opening and Keynotes	Auditorium ③
ESEM Sessions A	Auditorium ③
ESEM Sessions B	Z03.07 ④
ESEM Sessions C (Short Papers)	Z13.07 ⑤
Lunches	Atrium

ISERN 2008 Program

Monday, October 6

8:45-9:45	**Welcome and New Introductions** ③
	Context: ISERN is open to academic and industrial groups world-wide that are active in experimental software engineering research and willing to adopt the experimental research framework. ISERN members are pairs of organization and contact person. If the contact person leaves the organization, the organization must reapply for membership. Interested organizations may apply by sending an electronic proposal to "isern@informatik.uni-kl.de" describing their past experience in experimental software engineering research as well as their expectations from a future ISERN membership. Candidates will be invited to observe the ISERN meeting following their application. **Goal of the session**: To facilitate the **membership application** process by giving an opportunity for candidates to present their research and for observers to introduce themselves. **Session format**: Membership is granted according to a 3-step procedure: 1. Attending as invited observer at an annual ISERN meeting. 2. Attending as invited candidate at the following ISERN meeting giving a presentation. Membership is granted if a two-thirds majority of current members approves the application in an email voting after the meeting. 3. Attending as a full ISERN member at all following meetings. Dieter Rombach: Introduction of members, candidates, and observers. Current members present 1-minute contact/affiliation changes: ▪ Jeff Carver ▪ Jyrki Kontio ▪ Teresa Baldassarre Candidates give a 5-minute presentation each: ▪ IPA/SEC Japan ▪ BOSCH ▪ LERO ▪ Università degli Studi dell'Insubria ▪ Free University of Bolzano-Bozen ▪ Leiden University ▪ Technische Universität München ▪ Naval Postgraduate School Observers give a 2-minute introduction without a presentation: ▪ Institute of Software, Chinese Academy of Sciences (ISCAS), Lab for Internet Software Technology, Ye Yang ▪ Vrije Universiteit, Amsterdam, Rahul Premraj

9:45-10:00	**Reports from the 2007 Session Chairs** (3)
	▪ Roadmap: Rick Selby ▪ VB Software Process Framework: Jyrki Kontio, Dr. Nilay Oza ▪ ISERN Experience Factory: Andreas Jedlitschka ▪ A Checklist for Case Studies: A Practical Evaluation: Martin Höst, Per Runeson, Claes Wohlin ▪ Guidelines for Model and Methodology Evaluation in Industrial Environments: Jürgen Münch, Haruka Nakao, Daniel Port ▪ Glossary of Terms: Guilherme Travassos, Mike Barker
10:00-10:30	**Coffee break**
10:30-12:00	**ESE Methods: Aggregating Results from Experiments** (4) Chair: N. Juristo
	Goals: Aggregation should be taken to mean the combination of the results of more than one experiment to generate pieces of knowledge that can be used in practice to develop software. The fact that one experiment yields certain results should not be taken as evidence enough to consider these results as a proven fact. Taken separately, experiments provide partial results, while conclusive results or evidence can be gained by accumulating partial results. **Context**: In its early days, Empirical SE (ESE) focused on studying the application of the principles of the laboratory and experiment to SE. Twenty years later, running lab experiments in ESE is a fairly well understood task. But running isolated experiments is just one step of the experimental paradigm. Other principles of experimentalism remain to be analyzed and adapted to SE: experiment reporting; replication; systematic reviews; aggregation, etc. **Facilitators**: Marcus Ciolkowski, Forrest Shull
12:00-13:30	**Lunch**

13:30-14:00	**Open Space** (4) **Resolved: you can't make safe software using agile methods!!!** Chair: M. Barker
	Goals: The goal of this session is to provoke discussion about the use of agile methods in developing safe software. I expect people will talk about security, but safety can also include other elements. **Context**: We usually have something about agile methods, and security and operational software are often touchstones for empirical software engineering. **Outcomes**: A key outcome should be providing everyone with a better understanding of the trade-offs involved in using agile methods. A secondary outcome may be reminding people about the effectiveness of debating as a method of investigation and decision-making. **Readings**: This would depend on the debate members. I don't think there is any particular preparation readings - the debate presentations should cover it. We will provide a place to announce topics to be discussed. Whenever the group feels it important enough, it could go into a session.
14:00-15:00	**Application of ESE: Applying Empirical Software Engineering to Software Architecture** (4) Chair: G. Cantone
	Goals: Gathering information regarding software architecture from the point of view of the ISERN members in the context of an ISERN session by focusing on: (1) How a study of software architecture is similar to/different from a study on any other software engineering topic, (2) Measurement models for goodness of software architecture, and possibly (3) How we teach software architecture around the different countries. **Context**: Empirical software engineering scientists with some experience in conducting experiments on software architecture topics usually with students. Limited participation of software architecture practitioners. **Facilitators**: M. AliBabar, J. Carver, D. Cruzes, D. Falessi, O. Pastor, F. Shull, and G. H. Travassos. **Readings**: Introduction

15:00-15:30	**Coffee break**
15:30-16:45	**Application: Aligning ISERN 2010 Milestones and Associated Key Tasks** (4) Chair: N. Oza, S. Biffl
	Goals: The main goal of the session is to develop a community-level understanding of ISERN's key milestones by 2010, and a set of achievable key tasks we need to carry out as a community to achieve these milestones. The session will foster understanding of the task candidates and their impact on the ISERN milestones. The session will also help to develop consensus-oriented understanding in the community of ISERN's goals and means to achieve those goals. The session is facilitated by the session chairs with a customized version of an SPI-Stakeholder method and tool support developed earlier. **Context**: Recent ISERN meeting sessions discussed goals for the ISERN research roadmap and value-based methods for empirical research. The ISERN community is growing and emerging as an important contributor to Software Engineering research with particular focus on Empirical Methods. The community representatives gathering in Kaiserslautern is a good opportunity to understand what each member feels about community development and goals. The session will address this by aggregating collective understanding, which can then be used to identify or refine the actions at the community level. **Facilitators**: Barry Boehm, Dietmar Winkler **Readings**: Paper: N. Oza, S. Biffl, et al. "Reducing the Risk of Misalignment between Software Process Improvement Initiatives and Stakeholder Values", Proc. EuroSPI 2008 (to appear).
16:45-17:00	**Wrap-up and Plan for Tuesday** (4)
17:15-18:00	**Meeting of the ISERN Steering Committee (invitation)** (4)
18:45 -	**ISERN Dinner (Wartenberger Mühle)** Buses leave in front of Hotel Zollamt at 18:40, from Novotel at 18:45

Tuesday, October 7

9:00-10:30	**ESE Methods: Guidelines for Conducting and Reporting Qualitative Research - Subtitle: Stories from the Trenches** (4) Chair: C. Seaman
	Goals: Benefit from the experience of the many, many ISERNers who have dabbled in qualitative research methods. Share stories about: ▪ mistakes we've made ▪ unexpected obstacles ▪ stupid things we've seen others do ▪ common shortcomings of qualitative papers we've reviewed ▪ ethical dilemmas ▪ design tradeoffs ▪ hints for using analysis software ▪ things we haven't figured out how to do yet ▪ Leave ego at the door and laugh at ourselves **Context**: By my count, since 1995 (my first ISERN meeting), we have discussed qualitative methods at least 5 times, covering basic concepts, validity concerns, and guidelines for reporting. Now that there is a critical mass of ISERN researchers who have at least tried some qualitative research, it's time to start sharing experiences.
10:30-11:00	**Coffee break**

11:00-12:30	**Roadmap** (4) Chair: R. Selby
	Goals: At ISERN 2007, we discussed and critiqued the proposed roadmap for Empirical Software Engineering (ESE). The goal for ISERN 2008 is to use the ESE roadmap to help identify collaboration opportunities and accelerate progress toward achieving broad ESE goals. **Context**: We have 90 minutes for this roadmapping session, and we plan to use the time as follows: ▪ Give brief overview of the roadmapping results from last year (10 minutes) ▪ Describe a roadmapping exercise where people pair up and discuss potential research collaborations based on the roadmap (5 minutes) ▪ Pair-up people and discuss potential collaborations to accelerate progress (30 minutes) ▪ Map/populate these potential collaborations visually onto the roadmap graphic, which will reveal gaps and synergies/overlaps (30 minutes) ▪ Example of how our roadmapping influenced particular researchers (10 minutes) ▪ Closing discussion and actions for ISERN 2009 (5 minutes) **Facilitators**: Laurie Williams **Readings**: ▪ Introduction ▪ Discussion and Summary

12:30-14:00	**Lunch**

14:00-15:00	**ESE Methods: Empirical Investigation Using Simulation** (4) Chair: Dan Port
	Goals: Our objective for this session is to raise awareness and initiate the development of guidelines for appropriate application of simulation for acquiring empirical evidence and validation of inaccessible software engineering research conjectures, claims, and hypothesis. It is not our intent to explicitly discuss the details for design of simulation studies (perhaps a future session), although it is inevitable that some discussion of this will occur. We wish to make best use of the collection of experience and expertise of ISERN members in this very limited amount of time available. **Context**: For many software engineering methods verifying the benefit of following a particular approach is a challenge. Intangible values such as benefit are difficult to measure directly, industry and student/classroom based experimental studies are generally impractical to use for large numbers of experiments to achieve statistical significance, and access to industry data is often limited. Simulation offers an attractive approach to generate empirical evidence for validating and investigating fundamental software engineering properties. **Facilitators**: Jeffrey Carver, Jürgen Münch, Dietmar Pfahl

15:00-15:30	**Coffee break**

ISERN 2008 Program

15:30-16:30	**Community** (4) Chair: A. Jedlitschka
	Goals: ISERN is a healthy, productive social organization that is stuck in 1990's technology (email + simple static website), and even that technology does not appear to be used all that well. Nevertheless, we get things done somehow. In the past few years, a great number of innovative social network technologies have appeared, including: MySpace, FaceBook, Twitter, FriendFeed, BlogSpot, MediaWiki, etc. The goal of this session is to ask two kinds of questions: 1. Could we improve the efficiency/effectiveness of ISERN by adopting one or more of these technologies? What would it mean to improve the "efficiency" or "effectiveness" of ISERN? How could we measure that? What would it mean to "adopt" one or more of these technologies? 2. Could adoption of these technologies improve software development processes and products? How could we study that? ▪ Social Networking Technologies for Software [Developers | Researchers] ▪ Repository of Experiments ▪ ISERN Portal "A walk-through" **Context**: Context: ISERN Portal Requirements **Readings**: The ISERN website
16:30-17:00	**ISERN Business** (4) Dieter Rombach
17:00-17:30	**Open Discussion** (4)

IASESE 2008 Program

Wednesday, October 8

9:00-9:15	**Introduction** (4) Lecturer: Natalia Juristo
	Lecturer: Professor Natalia Juristo. Technical University of Madrid, Spain **Material**: Copies of slides **Content**: ▪ Goal of replication ▪ Goal of aggregation ▪ Relationship between aggregation and replication
9:15-10:45	**Techniques for Aggregating Experimental Results** (4) Lecturer: Oscar Dieste
	Material: Documentation developed specifically for the School **Content**: ▪ Relationship between systematic reviews and aggregation ▪ Problems found in trials of SE experiments aggregations ▪ Parametric aggregation techniques ▪ Non-parametric aggregation techniques ▪ Combination of aggregation techniques
10:45-11:15	**Coffee break**
11.15-12.45	**Different Type of Replications, Different Goal of Aggregation** (4) Lecturers: Sira Vegas, Natalia Juristo
	Material: Documentation developed specifically for the School **Content**: ▪ The problem of context ▪ Types of replication: Identical, Close and Differentiated ▪ Describing relevant information of a replication ▪ Distance between replications ▪ Generating variables from replications differences
12:45-13:45	**Lunch**
13.45-16.45	**Participatory Exercise** (4)
	Tutors: ▪ Professor Oscar Dieste. Technical University of Madrid, Spain ▪ Professor Sira Vegas. Technical University of Madrid, Spain ▪ Professor Martín Solari, ORT University, Uruguay ▪ Professor Natalia Juristo, Technical University of Madrid, Spain
16:45 -17:00	**Closing** (4)

IDoESE 2008 Program

Wednesday, October 8

9:00-9:30	**Introduction** Dieter Rombach	5
9:30-10:30		5
	Davide Taibi	Defining an Open Source Software Trustworthiness Model
	Yonghee Shin	Exploring Complexity Metrics as Indicators of Software Vulnerability
10:45-12:15	**Coffee break**	
10:45-12:15		5
	Michael Kläs	A Method for Building Hybrid Defect Content and Effectiveness Models for Managing Software Quality
	Gabriela Robiolo	A Simple Approach that Improves Early Effort Estimation Based on Use Cases
	Salvatore Alessandro Sarcia	An Approach to Improving Parametric Estimation Models in case of Violation of Assumptions
12:15-13:30	**Lunch**	
13:30-14:30		5
	Marcel Bruch	Towards Control-flow Aware Code Recommender Systems
	Ansgar Lamersdorf	Exploring Complexity Metrics as Indicators of Software Vulnerability
14:30-14:45	**Coffee break**	
14:45 -15:30	**Discussion and Summary**	5

ESEM 2008 Program

Wednesday, October 8

19:00-21:00	**Conference Reception** Casimirsaal (downtown Kaiserslautern, see map)	

Thursday, October 9

8:45-9:00	**Opening**	3
9:00-10:00	**Keynote Address** Chair: Jürgen Münch	3
	Using empirical methods to improve industrial technology transfer. *H. Hönninger, Vice President Corporate Research, Robert Bosch GmbH*	
10:00-10:30	**Coffee Break**	
10:30-12:00	**Session 1A: Coordination and Communication** 3 Chair: Filippo Lanubile	**Session 1B: Testing and Analysis** 4 Chair: Sira Vegas
	Socio-Technical Congruence: A Framework for Assessing the Impact of Technical and Work Dependencies on Software Development Productivity. *M. Cataldo, J. D. Herbsleb, K. M. Carley* A Multiple Case Study Investigating the Interaction between Manufacturing and Development Organizations in Automotive Software Engineering *J. Pernstal, A. Magazinovic, P. Ohman*	Empirical Evaluations of Regression Test Selection Techniques: A Systematic Review *E. Engström, M. Skoglund, P. Runeson* Capture-Recapture in Software Unit Testing - A Case Study *H. Scott, C. Wohlin* On Establishing a Benchmark for Evaluating Static Analysis Alert Prioritization and Classification Techniques *S. Heckmann, L. Williams*

10:30-12:20	**Session 1C: Short Papers** (5) **Evaluation and Comparison of Techniques and Models** Chair: Marcela Genero
	A Pilot Study of Comparative Customer Comprehension between Extreme X-Machine and UML Models *C. Thomson, M. Holcombe, T. Cowling, T. Simons, G. Michaelides* Using PCA and Search Based Metric Selection to Improve Software Quality Predictive Models: A Comparative Study *R. Vivanco, D. Jin* Evaluating the Usefulness of Software Visualization in Supporting Software Comprehension Activities *G. Carneiro, R. Magnavita, E. Spinola, F. Spinola, Manoel Mendona* A Hybrid Faulty Module Prediction Using Association Rule Mining and Logistic Regression Analysis *Y. Kamei, A. Monden, S. Morisaki, K. Matsumoto* Mining Software Code Repositories and Bug Databases using Survival Analysis Models *M. Wedel, U. Jensen, P. Gahner* Adding Planned Design to XP Might Help Novices Productivity (or Might Not): Two Controlled Experiments *R. Noel, G. Valdes, M. Visconti, H. Astudillo*
12:00-13:30	**Lunch**

13:30-15:00	**Session 2A:** (3) **Estimation Models I** Chair: Carolyn Seaman	**Session 2B: Modeling and Architecture** (4) Chair: Jeffrey Carver
	Comparative Studies of the Model Evaluation Criterions MMRE and PRED in Software Cost Estimation Research *D. Port, M. Korte* Phase Distribution of Software Development Effort *Y. Yang, M. He, M. Li, Q. Wang, B. Boehm* Combining Regression and Estimation by Analogy in a Semi-parametric Model for Software Cost Estimation *N. Mittas, L. Angelis*	An Industrial Case Study of Architecture Conformance *J. Rosik, A. L. Gear, J. Buckley, M. A. Babar* A Survey into the Rigor of UML Use and its Perceived Impact on Quality and Productivity *A. Nugroho, M. Chaudron* Model-based Functional Size Measurement *L. Lavazza, V. D. Bianco, C. Garavaglia*

13:30-15:00	**Session 2C: Short Papers** (5) **Empirical Studies of Processes and Products** Chair: Dietmar Winkler
	Using Students as Subjects - an Empirical Evaluation *M. Svahnberg, A. Aurum, C. Wohlin* Empirical Study of How Personality, Team Processes and Task Characteristics Relate to Satisfaction and Software Quality *S. T. Acua, M. Gomez, J. de Lara* Empirical Evaluation of Analogy-X for Software Cost Estimation *J. Keung* Improving Application and Understanding of Experience Packages through Learning Spaces *E. Ras* Does the Use of Stereotypes Improve the Comprehension of UML Sequence Diagrams? *M. Genero, J. A. Cruz-Lemus, D. Caivano, S. Abrahao, E. Insfrin, J. A. Carsa* Web Application Fault Classification - An Exploratory Study *Y. Guo, S. Sampath*
15:00-15:30	**Coffee Break**
15:30-17:00	**PANEL: Empirical Software Engineering:** (3) **Success Stories, Lessons from Failures, and the Next Frontiers** Chair: Dieter Rombach, Fraunhofer IESE & University of Kaiserslautern
	Participants: Reinhold Achatz, Siemens CorporateTechnology Lionel Briand, Simula & University of Oslo Manfred Broy, Technische Universität München Harald Hönninger, Robert Bosch GmbH Andreas Zeller, Saarland University
18:45 -	**ESEM Dinner (Burg Lichtenberg)** Buses leave in front of the hotels at 18:45

FRIDAY, October 10

9:00-10:00	**Keynote Address** (3) Chair: Sebastian Elbaum	
	Empirical Challenges in Ultra Large Scale Systems ABSTRACT *M. Shaw, Institute for Software Research, Carnegie Mellon University*	
10:00-10:30	**Coffee Break**	
10:30-12:00	**Session 3A: From the Programmers' Trenches** (3) Chair: Hakan Erdogmus	**Session 3B: Inspections** (4) Chair: Dietmar Pfahl
	Problems in Agile Trenches *M. Kajko-Mattsson* Pair Programming: What's in it for me? *A. Begel, N. Nagappan* Why do Programmers Avoid Metrics? *M. Umarji, C. Seaman*	The Impact of Time Controlled Reading on Software Inspection Effectiveness and Efficiency - A Controlled Experiment *K. Petersen, K. Rönkkö, C. Wohlin* Defect Categorization: Making Use of a Decade of Widely Varying Historical Data *C. Seaman, F. Shull, M. Regardie, D. Elbert, D. Feldmann, Y. Guo, S. Godfrey* Evaluation of Capture-Recapture Models for Estimating Abundance of Naturally Occurring Defects *G. S. Walia, J. C. Carver*
10:30-12:00	**Session 3C: Short Papers** **Development of Predictive Models** (5) Chair: Oscar Dieste	
	Exposure Model for Prediction of Number of Customer Reported Defects *K. Raaschou, A. Rainer* Analysis of the Reliability of a Subset of Change Metrics for Defect Prediction *R. Moser, W. Pedrycz, G. Succi* An Over-sampling Method for Analogy-based Software Effort Estimation *Y. Kamei, J. Keung, A. Monden, K. Matsumoto* An Empirical Model to Predict Security Vulnerabilities using Code Complexity Metrics *Y. Shin, L. Williams* Ensemble of Software Defect Predictors: A Case Study *A. Tosun, B. Turhan, A. Bener* Managing Software Quality through a Hybrid Defect Content and Effectiveness Model *M. Klaes, F. Elberzhager, H. Nakao*	

12:00-13:30	**Lunch**	
13:30-15:00	**Session 4A: Metrics and Methodology** (3) Chair: Markku Oivo	**Session 4B: Faults and Failures** (4) Chair: Laurie Williams
	Refining the Axiomatic Definition of Internal Software Attributes *S. Morasca* The Experience on Conducting Industrial Surveys on Software Engineering in China *J. Ji, J. Li, R. Conradi, C. Liu, J. Ma, W. Chen* Strength of Evidence in Systematic Reviews in Software Engineering *T. Dybå, T. Dingsøyr*	Quantitative Analysis of Faults and Failures with Multiple Releases of SoftPM *S. Wu, Q. Wang, Y. Yang* Iterative Identification of Fault-Prone Binaries Using In-Process Metrics *L. Layman, G. Kudrjavets, N. Nagappan*
13:30-15:00	**Session 4C: Short Papers** **Experience in Process Improvement** (5) Chair: Tony Gorschek	
	Surveying Model Based Testing Approaches Characterization Attributes *A. C. D. Neto, G. H. Travassos* Statistical Process Control for Software: A Systematic Approach *N. Boffoli, G. Bruno, D. Caivano, G. Mastelloni* Issues and Effort in Integrating Data from Heterogeneous Software Repositories and Corporate Databases *R. Ramler, K. Wolfmaier* A Defect-Driven Process for Software Quality Improvement *B. Robinson, P. Francis, F. Ekdahl* iMPS: An Experimentation Based Investigation of a Nationwide Software Development Reference Model *M. Kalinowski, K. C. Weber, G. H. Travassos* Using the ProdFLOWTM Approach to Address the Myth of Productivity in R&D Organizations *M. Ruhe, S. Wagner*	

ESEM 2008 Program

15:00-15:30	**Coffee Break**	
15:30-17:00	**Session 5A: Estimation Models II** (3) Chair: Marcus Ciolkowski	**Session 5B: From the Managers' Trenches** (4) Chair: Per Runeson
	A Constrained Regression Technique for COCOMO Calibration *V. Nguyen, B. Steece, B. Boehm* Reducing Biases in Individual Software Effort Estimations: A Combining Approach *Q. Li, Q. Wang, Y. Yang, M. Li* Cost estimation inhibitors - A multiple case study in the automotive domain *A. Magazinovic, J. Pernstål*	Empirical Results from Using Custom-Made Software Project Control Centers in Industrial Environments *M. Ciolkowski, J. Heidrich, F. Simon, M. Radicke* A Survey on Software Cost Estimation in the Chinese Software Industry *D. Yang, Q. Wang, M. Li, Y. Yang, K. Ye, J. Du* A Survey of Software Project Managers on Software Process Change *Y. Guo, C. Seaman*
15:30-17:00	**Session 5C: Short Papers Empirical Evidence and Systematic Review** (5) Chair: Danilo Caivano	
	A mapping study on empirical evidence related to the models and forms used in the UML *R. Pretorius, D. Budgen* Software Process Simulation over Decade: Trends Discovery from A Systematic Review *H. Zhang, B. Kitchenham, D. Pfahl* An Empirical Investigation of Scenarios Gained and Lost in Architecture Evaluation Meetings *D. Winkler, S. Biffl, M. A. Babar* Are Good Code Reviewers Also Good at Design Review? *H. Uwano, A. Monden, K. Matsumoto* Understandability Measurement in an Early Usability Evaluation for Model-Driven Development: An Empirical Study *J. I. P. Navarrete, N. Condori-Fernandez, F. V. Giromo, N. A. Salvioni, O. P. Lopez*	
17:45 -17:15	**Conference Closing** (3)	

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