

ICSE 2008 Workshops Report

Gregor Engels and Hausi A. Müller
Workshop Co-Chairs

ICSE 2008 Postmortem Meeting
Leipzig, Germany
Sat, May 17, 2008



Workshop Committee Members

- Brian Berenbach, Siemens Corporate Research, USA
- Andrea de Lucia, Università di Salerno, Italy
- Alexander Egyed, Teknowledge Corporation, USA
- Jean-Marie Favre, University of Grenoble, France
- Rick Kazman, University of Hawaii, USA
- Rudolf Keller, Zühlke Engineering AG, Switzerland
- Paul Layzell, University of Sussex, UK
- Grace Lewis, Carnegie Mellon Software Engineering Institute, USA
- Marin Litoiu, IBM Toronto Lab, Canada
- Paul Strooper, The University of Queensland, Australia
- Eleni Stroulia, University of Alberta, Canada
- Kevin Sullivan, University of Virginia, USA
- Walter Tichy, University of Karlsruhe, Germany
- Albert Zündorf, University of Kassel, Germany

Evaluation Criteria

- The potential to advance the state of software engineering research and practice
- The organizer's commitment to stimulate discussion at the workshop
- The organizer's experience and ability to lead a successful workshop
- Timeliness and expected interest in the workshop topics
- The balance and synergy between all ICSE 2008 events

Review

- Submissions: 46 (37 last year)
- Submission using new template
 - ❖ Worked well
 - ❖ But not all followed it
- Migration to collocated events: 2
 - ❖ European Software Engineering
 - ❖ Software Evolution (ECRIM/IWPSE)
- Accepted workshops (proposed): 26
- Rejected workshops: 18

Accepted Workshops

1. MSR 2008: 5th International Workshop on Mining Software Repositories by Godfrey, Lanza, Kim
2. GraMoT 2008: Workshop on Graph and Model Transformations by Karsai, Taentzer, Rumpe
3. SEAMS 2008: Software Engineering for Adaptive and Self-Managing Systems by Cheng, de Lemos, Garlan, Giese, Litoiu, Magee, Müller, Taylor
4. SDSOA: Second International Workshop on Systems Development in SOA Environments by Smith, Kontogiannis, Lewis, Litoiu
5. PROMISE: 4th International Workshop on Predictor Models in SE by Boetticher, Menzies, Ostrand, Ruhe
6. HCASE: The Human and Cooperative Aspects of Software Engineering by Cheng, De Souza, Dittrich, John, Hazzan, Maurer, Sharp, Singer, Sim, Sillito, Storey, Tessem, Venolia
7. SAM: The First International Workshop on Software Architectures and Mobility by Bahsoon, Capra, Emmerich, Fayad
8. EUSE: The Fourth Workshop on End-User Software Engineering by Abraham, Burnett, Shaw
9. SHARK 2008: Sharing and Reusing Architectural Knowledge by Avgeriou, Lago, Kruchten

Accepted Workshops

10. ROA 2008: The Role of Abstraction in Software Engineering by Hazzan, Kramer
11. AST 2008: Third IEEE International Workshop on Automation of Software Test by Zhu, Wong, Belli
12. SESS 2008: Software Engineering for Secure Systems by Monga, De Win, Lee
13. SE-CSE 2008: 1st International Workshop on Software Engineering for Computational Science and Engineering by Carver, Easterbrook, Mohr
14. LMSA 2008: Leadership and Management in Software Architecture by Berenbach, Bass
15. SDG 2008: Software Development Governance by Dubinsky, Chulani, Kruchten
16. BIPI 2008: Workshop on the Business Impact of Process Improvements by Paulisch, Ebert
17. APSO: Scrutinizing Agile Practices: Shoot-Out at Process Corral by Kruchten, Adolph
18. MiSE: Models in Software Engineering by Atlee, France, Georg, Moreira, Rumpe, Völkel, Zschaler

Accepted Workshops

19. ULSSIS 2008: Second International Workshop on Ultra-Large-Scale Software-Intensive Systems by Sullivan, Kazman
20. EA: Early Aspects at ICSE: Aspect-Oriented Requirements Engineering and Architecture Design by Chitchyan, Pinto, Rashid, Clements, Moreira, Araujo, Baniassad, Tekinerdogan
21. IWAAPF 2008: 3rd International Workshop on Advances and Applications of Problem Frames by Hall, Rapanotti, Tun
22. STC 2008: Socio-Technical Congruence by Cataldo, Damian, Devanbu, Easterbrook, Herbsleb, Mockus
23. WoSQ 2008: 6th Workshop on Software Quality by Wong, Chulani, Boehm, Verner
24. IWMSE 2008: International Workshop on Multicore Software Engineering by Tichy, Pankratius
25. CVSM 2008: Workshop on Comparison and Versioning of Software Models by Ebert, Kelter, Systä
26. AeroSE: 2nd International Workshop on Aerospace Software Engineering by Heimdahl, Knight

Cancelling Workshops

- Avoid cancelling workshops at all cost
 - Bad corporate image
- One workshop dropped out
 - ☹ AeroSE: 2nd International Workshop on Aerospace Software Engineering by Heimdahl, Knight
- Two workshops wanted to drop out, but were strongly discouraged
 - Great successes in the end
 - Organizers were very grateful that we did not let them drop out

Collocated Workshops

- Software Engineering in East and South Europe (SEESE) by Crnkovic, Nawrocki
- IWPSE and ERCIM: 4th International ERCIM Workshop on Software Evolution by Michel Wermelinger
 - **Did not come to fruition**

Aero
33

aspects
36

Computational
science
32

Modeling
23, 37

Architecture
10, 28

Process
improvement
24

Problem Frames
38

MSR, CVS
6, 7

End-user pro
44

SOA
14, 18

HCI
15

Testing
3

Securtiy
19

Quality
4

ULS
21

Adaptive
13, 26, 42

Agile
11, 35

Social SE
1, 27

Global SE
8, 17

Predictor Models
12, 16

Areas Overview

PL: Modularization
Abstraction, Exception
handling, Parallelization

25, 2, 43, 9

Legal Issues

45

Interdisciplinary SE

39

Euro SE

22

EDU

41

FLOSS

40

Evol

46

Semantic Web

29, 34

Evidence-based SE

5

Product Lines

20, 30, 31

Areas Overview

Workshop	Registration Numbers			
	2005	2006	2007	2008
PROMISE	20		24	31
GRaMoT				23
WEUSE	24			41
SDG				25
SAM				23
STC				27
ULSSIS			18	23
WoSQ		42	30	28
IWAAPF		26		16
MiSE			36	39
AST	37	58	37	29
SDSOA		45	30	28
ROA		24		22
LMSA				17
IWMSE				39
SEAMS	43	43	36	65
EA		35	19	21
SECSE				15
CHASE	22			71
SHARK			26	38
MSR	60	93	59	79
APSO				13
BIPI				21
CVSM				26
SESS	34	28	25	18
SEESE				34
NSEFS				23
Total				835

Registration Numbers

- The total workshop participants: **835**
- That is a record for ICSE workshops

Lessons Learned

Recruiting of Proposals and Evaluation

- Targeted recruiting of key people who can attract participants is critical
- Targeted recruiting of key workshop topics is critical
- Template is critical for uniformity and to avoid chasing information (e.g., abstract for ICSE web site)
- More than 50% of workshop proposals were recruited at ICSE 2007
- The time between workshop acceptance and camera-ready paper deadline was too short
 - ❖ Problem fixed for ICSE 2009
- Workshop evaluation by a committee is critical for quality and making hard decisions
 - ❖ It is important to have a good estimate of the number of workshops to be accepted (e.g., 18-26)

Lessons Learned

Spectrum of Proposals

- Proposal template is critical for proper evaluation
- Large versus small workshops
- 1 (1.5) and 2 day workshops
- Established workshops vs. emergent workshops
- Workshops with and without proceedings
- Workshops with digital library (published) proceedings
- Workshops with custom (unpublished) proceedings
- Page limit per paper: 4, 7, 8, 10
 - ❖ Limits of memory stick

Lessons Learned

Acceptance Message

- Spell out everything in the acceptance message
 - ❖ Evaluation criteria
 - ❖ Schedule
 - ❖ Proceedings, page limits
 - ❖ Deadlines
 - ❖ Registration fees
 - ❖ Workshop reception
 - ❖ Obligations for workshop organizers

Lessons Learned

Workshop Schedule

- Stream workshops by topics so that participants who are interested in one general topic can attend multiple workshops
- Minimize conflicts among known workshop participants
 - ❖ Workshop organizers
 - ❖ Workshops PC members
 - ❖ Separate large workshops
 - ❖ Special paper tracks
- Put the schedule on-line as early as possible
- Publicity chair Frances Paulisch provided fantastic support

Lessons Learned

Recruiting of Participants

- Sent registration numbers to all—not just main contacts—workshop organizers regularly to create a competitive environment
- Encourage workshop organizers to actively recruit participants
- Remind workshop organizers to remind prospective participants of advance registration deadline
- Work with publicity chair

Lessons Learned Running Workshops

- Provide guidelines to workshop chairs
 - ❖ Speaker guidelines
- Provide detailed instructions for workshop receptions
- Special arrangements (e.g., food, seating, AV, flip charts) are not trivial to arrange

Summary

- Great technical program
- Great financial success
- Great attendance
- Always on schedule
- No workshop cancellations, but one dropped out
- Great publicity
- Excellent local arrangements
- Excellent AV
- Great receptions