

# 12th International Conference on Evaluation and Assessment in Software Engineering (EASE)



University of Bari, Italy

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Editors:

Giuseppe Visaggio

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# Abstract

The International Conference on Evaluation & Assessment in Software Engineering (EASE) offers a forum for discussion and exchange of experiences among researchers who present their research results and discuss issues related to empirical and evaluation studies. The conference aims to provide a workshop-like atmosphere in which papers can be presented and then time is allowed for constructive discussion of their results and processes.

This year's edition has been hosted by the Department of Informatics in the University of Bari, Italy (<http://serlab.di.uniba.it/ease2008/>).

The event includes two keynote speeches held by internationally leading researchers: Prof. Roel Wieringa, Chair of Information Systems at the University of Twente Netherlands, and Prof. Mario Piattini, full professor at the Information Systems and Technologies Department of the Universidad de Castilla-La Mancha Spain.

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# Full Synopsis

The International Conference on Evaluation and Assessment in Software Engineering provides a forum for discussion and exchange of experiences among researchers who present their research results and discuss issues related to empirical and evaluation studies in a workshop-like atmosphere in which papers are presented and time is allowed for constructive discussion of their results and processes. The 12th edition (EASE 2008) has been hosted by the Department of Informatics at the University of Bari, Italy.

This year's papers have addressed topics including systematic literature reviews, case study planning and execution, formal experiments, effort estimation, lessons learnt, architecture evaluation and empirical software engineering.

We received 38 submissions from countries all over the world. Each paper was reviewed by three members of the Program Committee and 18 were accepted for presentation at the Conference and inclusion in the Proceedings.

In addition to research papers we have two keynote speeches, one for each day of the conference: the first by Prof. Roel Wieringa, Chair of Information Systems at the University of Twente Netherlands, is on the roles of empirical research in software engineering; the second, by Prof. Mario Piattini, full professor at the Information Systems and Technologies Department of the Universidad de Castilla-La Mancha Spain, is on the evaluation and assessment of UML models.

We want to thank all of those who have contributed to the set up and running of this year's conference: the authors for submitting their papers, the Program Committee members for their valuable work in reviewing and selecting the papers and in promoting the conference, the organising committee together with all the people that helped in arranging the conference. We also would like to thank all the organisations that have sponsored the event and the Department of Informatics, University of Bari for hosting the event.

We finally thank all the attendees of the conference for making it a successful event, and hope you find the program interesting and enjoy your stay in Bari.

Giuseppe Visaggio, General Chair

Maria Teresa Baldassarre & Steve Linkman, Program Chairs

Mark Turner, Short Papers Chair

# Editors

This conference was edited by:

Giuseppe Visaggio - Department of Informatics, [University of Bari, Italy](#)

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# Papers:

Stefan Biffli, Muhammad Ali Babar, Dietmar Winkler      Impact of Experience and Team Size on the Quality of Scenarios for Architecture Evaluation <http://dx.doi.org/10.14236/ewic/EASE2008.1>

Vieri del Bianco, Claudio Gentile, Luigi Lavazza      An Evaluation of Function Point Counting Based on Measurement-Oriented Models <http://dx.doi.org/10.14236/ewic/EASE2008.2>

Kefu Deng and Stephen G. MacDonell      Maximizing data retention from the ISBSG repository <http://dx.doi.org/10.14236/ewic/EASE2008.3>

Andrea De Lucia, Fausto Fasano, Giuseppe Scanniello, Genoveffa Tortora      Comparing Inspection Methods using Controlled Experiments <http://dx.doi.org/10.14236/ewic/EASE2008.4>

Pearl Brereton, Barbara Kitchenham, David Budgen, Zhi Li      Using a Protocol Template for Case Study Planning <http://dx.doi.org/10.14236/ewic/EASE2008.5>

Vigdis By Kampenes, Bente Anda, Tore Dybå      Flexibility in Research Designs in Empirical Software Engineering <http://dx.doi.org/10.14236/ewic/EASE2008.6>

Francisco Novillo, Fèlix Garcia, Elvira Rolòn, Francisco Ruiz, Mario Piattini      Empirical WebGen; A Web-Based Environment for the Automatic Generation of Surveys and Experiments <http://dx.doi.org/10.14236/ewic/EASE2008.7>

Kai Petersen, Robert Feldt, Shahid Mujtaba, Michael Mattsson      Systematic Mapping Studies in Software Engineering <http://dx.doi.org/10.14236/ewic/EASE2008.8>

Austen Rainer and Sarah Beecham      A follow-up empirical evaluation of evidence based software engineering by undergraduate students <http://dx.doi.org/10.14236/ewic/EASE2008.9>

David Budgen, John Bailey, Mark Turner, Barbara Kitchenham, Pearl Brereton, Stuart Charters      Lessons from a cross domain investigation of empirical practices <http://dx.doi.org/10.14236/ewic/EASE2008.10>

Rafael Prikładnicki, Daniela Damian, Jorge Lis Nicolas Audy      Patterns of Evolution in the Practice of Distributed Software Development: Quantitative Results from a Systematic Review <http://dx.doi.org/10.14236/ewic/EASE2008.11>

Mark Turner, Barbara Kitchenham, David Budgen, Pearl Brereton      Lessons learnt Undertaking a Large-scale Systematic Literature Review <http://dx.doi.org/10.14236/ewic/EASE2008.12>

Salvatore A. Sarcia, Giovanni Cantone and Victor R. Basili      Adopting Curvilinear Component Analysis to Improve Software Cost Estimation Accuracy Model, Application Strategy, and an Experimental Verification <http://dx.doi.org/10.14236/ewic/EASE2008.13>

Stein Grimstad and Magne Jørgensen      A Preliminary Study of Sequence Effects in Judgment-based

Software Development Work-Effort Estimation <http://dx.doi.org/10.14236/ewic/EASE2008.14>

Chris Lokan and Emilia Mendes Investigating the Use of Chronological Splitting to Compare Software Cross-company and Single-company Effort Predictions <http://dx.doi.org/10.14236/ewic/EASE2008.15>

Márcio E. Delamaro, Auri Marcelo Rizzo Vincenzi and José Carlos Maldonado Evaluating Structural Criteria for Testing Mobile Code <http://dx.doi.org/10.14236/ewic/EASE2008.16>

Muhammad Ali Babar Assessment of a Framework for Designing and Evaluating Security Sensitive Architecture <http://dx.doi.org/10.14236/ewic/EASE2008.17>

Annabella Loconsole A Correlational Study on Four Measures of Requirements Volatility <http://dx.doi.org/10.14236/ewic/EASE2008.18>