

SPACE 2007 - 1st International Workshop on Software Productivity Analysis and Cost Estimation

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1. Objective and Motivation

Software project managers require reliable methods for estimating software project costs, and assessing software development productivity. For over 25 years, there has been considerable research effort directed towards software cost estimation and software productivity analysis, various algorithmic approaches developed and their performance reported in the research literature. But nevertheless, cost estimation and productivity analysis remains a complex problem in the software industry. The goal of the workshop on software productivity analysis and cost estimation, SPACE 2007, is to bring together practitioners and researchers for discussion and presentation on the emerging aspects pertaining to software cost estimation, productivity analysis, prediction models and techniques, and lessons learned. The workshop provides a forum to present new ideas and to explore future directions in these areas for software engineering and software project management.

2. Topics of Interest

Suggested topic areas of interest include, but are not limited to:

- Software Effort and Cost Estimation
- Defect Rate and Reliability Assessment
- Software Productivity Measurement / Analysis
- Software Process Improvement
- Software Quality Measurement and Assurance
- Development of Predictive Models
- Case-based / Analogy-based Reasoning Approaches
- Expert-based Reasoning Approaches
- Algorithmic Techniques
- Qualitative and Quantitative Methods
- Evaluation and Comparison of Techniques and Models
- Simulation Techniques
- Experience Management

- Data Mining using Software Repository
- Development of Tool to Support Software Metrics

3. Publication of Papers

All accepted papers will appear in the workshop proceedings of APSEC 2007 conference. At least one of the authors of accepted papers must register and present for the workshop to have the paper published in the proceedings.

4. Workshop Chairs

- Jacky Keung, NICTA, Australia
- Ross Jeffery, NICTA, Australia
- Makoto Nanoka, Toyo Uni., Japan

5. Program Committee Members

- Barbara Kitchenham - Keele Uni., UK
- Mahmood Niazi - Keele Uni., UK
- Martin Shepperd Brunel Uni., UK
- Sarah Beecham -Hertfordshire Uni., UK
- Ross Jeffery NICTA, Australia
- Jacky Keung NICTA, Australia
- Liam OBrien NICTA, Australia
- Magne Jorgensen SIMULA, Norway
- Jurgen Munch IESE, Germany
- JingYue Li NTNU, Norway
- Stephen MacDonell AUT, NZ
- Emilia Mendes - Auckland Uni., NZ
- Carol Dekkers - QualityPlusTech, USA
- Qing Wang ISCAS, China
- Hajimu Iida NAIST, Japan
- Hironori Washizaki NII, Japan
- Makoto Nonaka Toyo Uni., Japan
- Naoki Ohsugi NTT Data, Japan