

Workshop on Software Process and Product Improvement

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1 Introduction

Welcome to the Workshop on “Software Process and Product Improvement at this year’s Euromicro conference!

In today's competitive world the quality of software products is a key to economic success and stability. This workshop establishes a forum for exchanging advances and experiences with approaches improving software quality, particularly by improving the development process. In total 16 papers will be presented in the workshop having 39 authors from 10 different countries. The regular papers are presented in five different sessions.

The papers in the session on *Software Process Improvement* present frameworks and approaches helping to improve development processes in various contexts of development.

The session on *Verification & Validation* covers reading techniques, the role of formal specification, and debugging methods.

The papers in the *Industrial Applications* session discuss case studies as well as technology transfer approaches.

The sessions on *Software Reliability* and *Modeling Quality Properties* are associated with a special session on Dependability of Software Systems (chairman: Erwin Grosspietsch) dealing with methods and approaches to improve the reliability, availability, safety, and integrity properties of software systems.

The session on *Software Reliability* will discuss the assessment of software reliability and the improvement of software fault tolerance methods as e.g. n-version programming.

Papers in *Modeling Quality Properties* deal with methods to model, evaluate and improve software design parameters like production costs, efficiency, flexibility, or redundancy structure.

I would like to thank Fevzi Belli (University of Paderborn, Germany) for giving a keynote on risks, challenges and chances for product and process improvement from the perspective of software reliability engineering.

I'd especially like to thank all people involved in organizing this event, particularly the workshop co-chairs Gerhard Chroust, Karl Erwin Grosspietsch, Konrad Klöckner, Onur Demirörs, and all members of the Program Committee.

Paul Grünbacher (Chairman)

2 Program Committee

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