Call for Papers and Participation

Fifth International Workshop on
Economics-Driven Software Engineering Research
(EDSER-5)

"The Search for Value in Engineering Decisions"

http://www.soberit.hut.fi/EDSER-5/

Organized with the International Conference on Software Engineering 2003

http://cs.oregonstate.edu/icse2003/

May 3 and 4, 2003

Portland, Oregon, USA

Background and Goals

Traditionally, the study of software engineering has been a primarily technical endeavor with minimal attention given to its economic context. Design and implementation methods are proposed based on technical merits without making adequate links to economic considerations. Students are taught decision-making skills in an exclusively technical context. This is in stark contrast to the reality of software engineering. Engineering seeks to create value relative to resources invested in a given context, whether commercial or not. Regardless of how an organization defines "value", software development essentially is an irreversible capital investment. Therefore, software should add value to the organization just as any other capital expenditure. As such, the costs of development should not outweigh the returns from the product to achieve a net benefit.

The EDSER-5 workshop aims at improving the state-of-the-art and state-of-practice in economics and business driven software engineering in order to ensure that the engineering decisions made during software development fully address the relevant economic and business issues. While these technical, engineering decisions form the foundation of software engineering, these decisions should be guided by the objective of adding value to stakeholders.

The workshop will give an up-to-date view of the recent research in this area and it will also act as a forum where practitioners can exchange views with leading researchers. Earlier EDSER workshops (www.edser.org) have shown that software engineering research and practice is starting to benefit from cross-disciplinary exchange of ideas and experiences on this topic. These workshops identified a wealth of applications, ranging from software process, quality, project management and contract management to architecture, reuse, prototyping, rapid development, and security.

Scope

The workshop is targeted both at researchers in economics driven software engineering, as well as to practitioners that want to follow and contribute to the state-of-the-art research in this area.

The workshop will consist of invited presentations as well as research presentations given by participants whose position papers have been accepted to the workshop. Position papers are welcome, for example, on the following topics:

- Decision theory and its applications in software development decision making
- Risk preferences and game theory
- Financial engineering (e.g., portfolio theory, securitization of risk)
- Treatments of contract and industry structures
- Different business models and strategies associated to software and its utilization
- Assessing value of software
- Proposals or experience reports on empirical studies on economics driven software engineering
- Education experiences and initiatives in economics driven software engineering

The 2003 two-day workshop will be followed by the tutorial "Value Based Software Engineering" on Monday, May 5. Participants new to the EDSER workshops are strongly encouraged to attend the tutorial.

Position Paper Submissions

Position papers of 2 to 5 pages are solicited. Invitations to make a short presentation at the Workshop will be based on the submitted position papers. Copies of selected position papers will be distributed to the attendees at the Workshop. Submissions should be in MS-Word (preferred) or PDF. Final versions should be formatted according to the ICSE 2002 guidelines (see http://www.acm.org/sigs/pubs/proceed/template.html) and submitted electronically to jyrki.kontio@hut.fi. Your paper must conform to the proceedings publication format and should not exceed six pages, including all text, references, appendices, and figures. Additional and updated details are available at:

> http://www.soberit.hut.fi/EDSER-5/

Submission Due Dates.

- Submission Date: February 1, 2003
- Acceptance/rejection: March 1, 2003
- Camera-ready Copy: April 1, 2003

Workshop Co-Chairs:

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Steering Committee

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