First Announcement

4th Workshop on Software Engineering Education and Reverse Engineering
Zagreb, Croatia, September 6 - 11, 2004

Organizer
Dept. of Applied Mathematics, Faculty of Electrical Engineering and Computing, University of Zagreb, Zagreb, Croatia

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Web sites
http://www.informatik.hu-berlin.de/swt/intkoop/index.html
http://www.informatik.hu-berlin.de/swt/intkoop/se/index.htm

Background
The workshop is being supported by the German organization DAAD (German academic exchange services) with participants from universities of Berlin, Novi Sad, Skopje, Plovdiv, Kragujevac, Niš, Belgrade, Zagreb, Sarajevo, Banja Luka, Tirana, Timisoara, Rijeka, and Dubrovnik.

This meeting is conducted under the auspices of 'Stability Pact for South Eastern Europe - sponsored by Germany' aimed at the improvement of educational and scientific conditions of countries in the region.

Program Committee
• Klaus Bothe, Humboldt University, Berlin, Germany
• Zoran Budimac, Univ. of Novi Sad, Serbia & Montenegro
• Stanimir Stojeanov, Univ. of Plovdiv, Bulgaria
• Katerina Zdravkova, Univ. ‘Cyril and Methodius’, Skopje, Macedonia
• Dragon Bojic, Univ. of Belgrade, Serbia & Montenegro
• Ioan Jurca, ‘Politehnica’ Univ. of Timisoara, Romania
• Damir Kalpic, Univ. of Zagreb, Croatia

Goals
The aim of the workshop is an exchange of ideas in the field of education in fields of: software engineering, introduction to OOP using Java, compiler construction and other fields of common interests. In particular, the introduction of compatible courses at each of the universities is a special goal.

In addition, cooperative and distributed software engineering and reverse engineering project activities will be discussed. The XCTL system shall be used as a case study to be accessed by different parties.

A vision should be a cooperation in the research subjects of "joint software development / software reengineering over the internet" and "virtual university / multilingual virtual classroom network".

Workshop program
Joint Course on Software Engineering (JCSE)

ICSE new topics:
• D. Bojic: RUP - The Rational Unified Process
• I. Jurca: Service oriented architecture
• I. Pribela, Z. Putnik: Extreme Programming

JCSE project management
• Z. Budimac: Experience from the ICSE in Novi Sad
• K. Schuetzler: Evaluation of courses by student feedback sheets
• E. Doychev, G. Cholakov, M. Trendefilova: Experience from using ICSE topics in student projects

National versions / localization
• S. Stoyanov: From course materials to a textbook
• D. Kalpic, K. Zdravkova: Summary of experience of translation problems

SE Tools:
• K. Schuetzler: Testing tool ATOS - principles and experience
• Z. Putnik: Metric tools for Java

Related projects:
• A. Misev: SWENET

Software engineering curricula:
• I. Tartajlo: The new software engineering profile of studies at ETF Belgrade
• Z. Budimac: The TEMPUS Project Joint M.Sc. Curriculum in Software Engineering
• N. Nosovic: Harmonizing CS curricula at the University of Sarajevo with Bologna declaration and EC initiatives

Additional courses
Course: Object-Oriented Programming with Java
M. Ivanovic, K. Bothe: On the (un)suitability of Java to be a first programming language
I. Jurca, M. Ivanovic, K. Bothe: On the requirements of OOP in Java course
M. Ivanovic, I. Jurca, K. Bothe: On the course architecture and course homepage
K. Bothe: A simple software development process
N. Ibrajer: The Sun’s Java certification and its possible role in the joint teaching material.
Z. Komlenov: Existing programming teaching materials
I. Jurca: Course materials for ‘Threads in Java’
E. Doychev, G. Cholakov, M. Trendefilova: Courses materials for ‘Remote Method Invocation’
D. Toic: Course materials for ‘Methods in Java’ and ‘Introduction to UML’

Course: Compiler Construction
D. Bojic: About the structure of compiler construction courses
I. Pribela: Presentation of the Tiger software

Course: Software Project Management
M. Ivanovic: A concept of a course on ‘Project management’

Reverse engineering
K. Schuetzler, K. Bothe, U. Sacklowski: Review - XCTL during the last year
A. Stoyanova: A refactoring process based on the experience with XCTL

E-learning
Z. Putnik: An ad-hoc infrastructure for an e-learning environment
S. Stoyanov, E. Doychev: Course material: From Powerpoint to SCORM
N. Hovic-Bozic, V. Mornar: AbyCo (Adaptive Hypermedia Courseware): an approach to a web-based learning and testing system

Free SE subjects
• S. Stoyanov, E. Doychev, G. Cholakov, M. Trendefilova: Project management principles
• I. Jabico: Project activities and experience in an Albanian software company
• B. Jakimowski, A. Misev, V. Ajanovski: Distributed Computing, Computer Networks and Database Systems with Java
• R. Djermanovic: Software Metrics

Review - XCTL during the last year
S. Joachim, K. Bothe: Tool support for the translation of course materials
K. Zdravkova, D. Kalpic: Towards a multilingual dictionary of software engineering about case studies
Z. Budimac: On case studies
R. Marinescu: Case studies from educational projects
D. Kalpic, K. Fertalj: Some highlights from a real life project
Z. Komlenov: The case study “Encounter”
E. Doychev, G. Cholakov, M. Trendefilova: Case study concerning architecture development
V. Ajanovski: Information systems course case study: wireless campus portal