

# **11<sup>th</sup> Workshop**

## **“Software Engineering Education and Reverse Engineering”**

**Ohrid, Macedonia**  
**22<sup>th</sup> – 27<sup>th</sup> August 2011**

### **Workshop Presentations**

## **PART 1: Software Engineering Education**

### **Section: JCSE, Tempus Joint Master, and related courses**

- Klaus Bothe: *Software Engineering offered to Bachelors*
- Z. Budimac, Z. Komlenov, Z. Putnik: *Trying to track student activities in software engineering course*
- Michael Ritzschke: *Variants of student solutions to assignments concerning functional testing (classification point method)*
- V. Kurbalija, G. Rakić: *Master course 'Architecture, Design, and Patterns' - more improvements since the last year*
- I. Pribela, Z. Budimac: *Two year experience in System integration master course*
- Boris Milasinovic: *The use of real life projects in students' assignments*
- Vedran Ljubovic: *Megaprojects in the course of Multimedia Systems*
- Dusanka Boskovic: *Selected student software projects in the field of HCI*
- Novica Nosovic: *How to chose and sequence lessons for a introductory course in SE*
- Teo Eterovic: *Grafko: An application model designed for learning UML and Design Patters*
- Stefan Nosovic: *Beginner's pitfalls in software engineering*
- V. Filipovic: *Experiences with ALM tools in Software Engineering course*
- Hussein Zedan: *Informatics Education: Hopes or hypes*
- Ana Madevska-Bogdanova: *Development in the OOP Design Patterns*
- Nevena Ackovska, Magdalena Kostoska: *Transform the theory into practice - Software Design and Architecture for Computer Science Students*
- Sasko Ristov: *Practical Approach to Teaching Software Testing*
- Students (Tirana): *Software engineering: lectures and contents reflected by students*
- Anastas Misev: *Software engineering in High Performance Computing*
- Boro Jakimovski: *Exercises for Advanced Java Topics*

### **Section: About case studies and projects**

- Michael Hildebrandt: *On an Interdisciplinary Cooperation Project - A Teaching Perspective*
- Hans-Dieter Burkhard: *Socially Augmented Microworld (SAM)*
- Olga Schiemangk: *Practical Experience in Requirements Engineering: Report on an Intercultural Project*

## Section: Special topics

- M. Ivanović, H.D. Burkhard: *DAAD Bilateral Project: Intelligent Techniques for Data Integration and Decision Support in the Medical Domain*
- A.Tepavčević, J.Budimac, P.Šešelja,: *Informatics in secondary and ground schools in Serbia*
- G. Rakić, Z. Budimac: *SMILE (Finally COBOL! and what else is new)*
- M Savić, M. Ivanovic, M. Radovanovic: *Connected Components in Software Networks*
- T. Najdan Trifunov, D. Mitrović, M. Ivanovic: *Java Network Programming - Advanced Teaching Material*
- Damir Kalpić: *The CIO Skills*
- Petru Florin Mihancea: *A Novel Client-Driven Perspective on Class Hierarchy Understanding and Quality Assessment*
- I. Petkovic: *Interval Matrix Models of Design Iteration*
- Marjan Gusev: *Cloud Computing perspectives and solutions*
- Erion Čano: *Performance analysis, development and improvement of programs, commands and BASH scripts in GNU/Linux systems*
- Edit Kapcari: *CPU, Memory, I/O devices and network performance evaluation in a virtual cloud computing environment*
- Griselda Kuzumi: *Visual detection and tracking of human beings motion in surveillance systems*
- Marin Aranitasi: *Identification of on-line users and Digital Signature.*
- Doni Pracner: *Understanding old assembly code using formal transformations*

## PART 2: ADDITIONAL COURSES

### Section: Course: Object-Oriented Programming with Java (OOJava)

- M. Ivanovic, Z. Budimac, A. Misev, K. Bothe: *Using the Same Poll of Java Teaching Material*
- M. Ivanovic, D. Mitrovic, M. Radovanovic: *Elective Course OOP II: Creation, Experiences, Students' Opinion*
- Dusan Totic: *Introduction into component programming based on Java beans*
- A. Kartelj: *Java GUI building approaches*
- Zaharije Radivojević: *Teaching the simulator design in Java*
- Vangel Ajanovski: *Domain Driven Design and Development: Overview of Current Tools and a Sample Realization with Focus on Java*

### Section: Other Courses

- Goran Sukovic: *Introducing New Projects in Compiler Construction Course*
- Hristina Mihajloska: *Student projects in the course Data Structures*

### **PART 3: E-LEARNING and other learning issues**

- I. Pribela, Z. Budimac: *Plugging into Testovid*
- Emil Doychev, Vesselina Valkanova: *Learning by DeLC education portal*
- Vladimir Valkanov, Minko Sandalski: *Event management in DeLC*
- Asya Stoyanova-Doycheva: *New masters' program in SE*
- Stanimir Stoyanov: *Next steps with DeLC education portal*
- Katerina Zdravkova: *Does E-Learning 2.0 decrease student plagiarism and cheating?*
- Goce Armenski: *Aspects of E-Learning (preliminary title)*

### **PART 4: NEW CURRICULA and BOLOGNA PROCESS (2)**

- Ioan Jurca: *Yet another education law in Romania*
- Betim Cico: *Professional Master in Computer Engineering*
- Ivan Lukovic: *Towards the New Computer Science or Software Engineering Curricula at Faculty of Technical Sciences in Novi Sad*
- B. Seselja: *Impact of the recent changes of the law of higher education in Serbia: are we going backward?*
- A. Tepavcevic: *Role of informatics in the new curriculum of applied statistics at University of Novi Sad*
- Natasa Hoic-Bozic, Patrizia Poscic: *Experiences with new master studies of Informatics at the University of Rijeka*
- Betim Cico: *Professional Master in Computer Engineering*
- Margita Kon Popovska: *On some international projects conducted by the Institute of Informatics*
- Dimitar Trajanov: *FINKI – Faculty of Computer Science and Engineering*