Termag Hotel, Jahorina
Contents

- Overview of the workshop
- What happened in our DAAD project since September 2015 until August 2016?
- Current work in our DAAD project
Workshop Software Engineering Education and Reverse Engineering

- Novi Sad, YU, 2001
- Plovdiv, BG, 2002
- Ohrid, MK, 2003
- Zagreb, CRO, 2004
- Baile Herculane, RO, 2005
- Ravda, BG, 2006
- Risan, MNE, 2007
- Durrës, ALB, 2008

- Neum, BiH, 2009
- Ivanjica, RS, 2010
- Ohrid, MK, 2011
- Opatija, CRO, 2012
- Bansko, BG, 2013
- Sinaia, RO, 2014
- Bohinj, SLO, 2015
- Jahorina, BiH, 2016
# Workshop participants

<table>
<thead>
<tr>
<th>Location</th>
<th>Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Novi Sad, YU</td>
<td>2001</td>
</tr>
<tr>
<td>Plovdiv, BG</td>
<td>2002</td>
</tr>
<tr>
<td>Ohrid, MK</td>
<td>2003</td>
</tr>
<tr>
<td>Zagreb, CRO</td>
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<td>2013</td>
</tr>
<tr>
<td>Sinaia, RO</td>
<td>2014</td>
</tr>
<tr>
<td>Bohinj, SLO</td>
<td>2015</td>
</tr>
<tr>
<td>Jahorina, BiH</td>
<td>2016</td>
</tr>
</tbody>
</table>

*) reduced budget
Background

Stability Pact for South-Eastern Europe

**DAAD**
(German Academic Exchange Service)

*Academic Reconstruction of South Eastern Europe*

- **2000**
  - Humboldt University Berlin
  - University of Novi Sad

- **2001**
  - University of Skopje
  - University of Plovdiv
  - University of Belgrade, Fac. EE + Nat. Sc.
  - University of Kragujevac *)
  - University of Nis, Fac. of Nat. Sc. *)

- **2003**
  - University of Zagreb
  - University of Sarajevo
  - University of Banja Luka
  - University of Timisoara
  - University of Tirana *)

- **2004**
  - University of Rijeka

- **2006**
  - University of Nis, Fac. of EE
  - Polytechnic University of Tirana

- **2007**
  - University of Montenegro (Podgorica)

- **2013**
  - University of Tetovo (South-Eastern)
  - University of Craiova
  - University of Maribor

- **2016**
  - Additional workshop participant:
    - Tessaloniki; Greece
Contents

- Overview of the workshop
- What happened in our DAAD project since September 2015 until August 2016?
- Current work in our DAAD project
What happened in our DAAD project since September 2015?

- Papers at Conferences and Journals
- NO Coordination meeting of project group leaders, May 2016
- Guest lecturing – like the years before:
  included partners:
  Novi Sad, Skopje, Berlin, Tirana, Sarajevo, Tetovo, Rijeka
Papers


Contents

- Overview of the workshop
- What happened in our DAAD project since September 2014 until August 2015?
- Current work in our DAAD project
Overview of intensive courses delivered during last 12 months

Guest lecturing
Intensive courses for TEMPUS joint Master: Skopje – Novi Sad (since 2007)
Intensive courses for TEMPUS joint Master:
Skopje → Novi Sad

- Katerina Zdravkova: Privacy, Ethics, and Social responsibilities (December 2015 – Jan 2016)
- Anastas Misev: Software Testing (June 2016)
Intensive courses for TEMPUS joint Master:

Novi Sad → Skopje

- Zoran Budimac, Research Methods (April 2016)
- Mirjana Ivanovic, Requirements engineering (December 2015, April 2016)
- Zoran Budimac, Software Engineering for Critical Systems (December 2015, June 2016)
Intensive courses: Cognitive Robotics

Hans-Dieter Burkhard:
- Rijeka (April 2016)

Planned:
- Tirana
- Plovdiv
Intensive course „Research Methods“: at Polytechnical University Tirana (2016)

Zoran Budimac, Mirjana Ivanovic, Gordana Rakic: Research Methods
April 2016
Intensive course „Software Engineering“: Polytechnical University Tirana (since 2007)

Klaus Bothe:
• Lectures: June 2016
• Assignments: July, August 2016
• Exam: September 2016
Course „Software Engineering“: Sarajevo, Rijeka, Tetovo (combination of local and guest lecturing/selected topics)
JCSE: 13 (out of 17) universities included teaching materials

- Novi Sad: 2002-04: 2 times, English, 10 particular participants, 2004-16: ordinary students, Serbian slides
- Skopje: English, materials used in 2 different courses since 2004; in 2007 the first real delivery of the JCSE in Skopje
- Plovdiv: Bulgarian, 2 different curricula, 100 participants, since 2003, textbook in 2006
- Kragujevac: Serbian, since 2003
- Zagreb (Dubrovnik): Croatian, 1 topic
- Timisoara: Romanian, 1 topic
- Berlin: 4 times (transparencies) + 6 times (ppt), German, 80 participants
- Belgrade (Faculty Elec.Eng.): 2005 - 2016, Serbian slides, 12 topics, 133 participants in 2005
- University of Tirana: 2007, some topics used in a Bachelor course
- Polytechnic University Tirana: 2007 - 2016, course delivered by guest lecturers and local teachers in a Master’s study
- Rijeka: since 2010, selected topics by guest lecturing since 2014
- Sarajevo: selected topics, in 2012 - 2016 by guest lecturing
- Tetovo: since 2014, selected topics by guest lecturing
Workshop organization
Workshop program: Sections

- Curricula Issues
- Modules in programming, software engineering, and others
- Case Studies and Projects
- eLearning
Workshop program: Timetable

- Chairpersons and sections:
  Please, refer to all problems with your presentations to the responsible chairperson (e.g. modification of title …)

- 20 minutes for presentation and questions

- Please, send your presentation after your lecture to
  - Olga Schiemangk schieman@informatik.hu-berlin.de
  - Michael Ritzschke ritzschk@informatik.hu-berlin.de

Subject: Day 1 / 2 …
File name: e.g. Novica.Nosovic-Title
Workshop program: Social program

- Today: reception before dinner (7 p.m.)
- Wednesday: Gala dinner
- Four half-day excursions:
  - Sarajevo (guided tour, Tuesday)
  - Jahorina (guided walk, Wednesday)
  - Sarajevo (by yourself, Thursday)
  - Jahorina (guided walk, Friday)
Workshop program: Finances

- This afternoon: refunding travel expenses
- All meals included – water on workshop costs
- Free: swimming pool, sauna …
### Timetable (1): Monday

"Software Engineering Education and Reverse Engineering"

Jahorina, BiH, 22nd - 26th August 2016

<table>
<thead>
<tr>
<th>Duration</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>00:30:00</td>
<td><strong>Klaus Bothe</strong>: Opening talk</td>
</tr>
</tbody>
</table>

**SECTION: Curricula Issues**

| 00:20:00 | **Novica Nosović**: Who can (not) call him/herself a SW engineer? |
| 00:20:00 | **Patrizia Poščić**: Aligning Study Programmes with Occupational Standards and Qualifications Standards in the Field of Informatics Based on Croatian Qualifications Framework |
| 00:20:00 | **Betim Cico, Besnik Selimi, Klaus Bothe**: Doctoral School at SEEU: challenges and future directions after 3 years |

**SECTION: Learning Issues: modules in programming, software engineering, and others**

| 00:20:00 | **Anastas Mishev**: Software quality by design |
| 00:20:00 | **Boštjan Šumak**: User Experience Design and Evaluation in Software Engineering |

**SHORT BREAK**
### Timetable (2): Friday

**Friday, August 26th - Chairperson: Elinda Kajo Mece**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>00:20:00</td>
<td>Amelia Badica, Costin Badica, Mirjana Ivanovic: Programming Reinforcement Learning in Jason</td>
</tr>
<tr>
<td>00:20:00</td>
<td>Krešimir Fertalj: PhD Seminar 'Project Management and Doctoral Research' (PhD as a Project)</td>
</tr>
<tr>
<td>00:20:00</td>
<td>Ivica Marković: Data science – How to prepare engineers for this field</td>
</tr>
<tr>
<td>00:20:00</td>
<td>Nevena Ackovska, Magdalena Kostovska: ADP Course Evolution – Six years long journey</td>
</tr>
<tr>
<td>00:20:00</td>
<td>Nenad Katanić: Doctoral Research 'Commercialization'</td>
</tr>
<tr>
<td>00:20:00</td>
<td>Michael Ritzschke, Klaus Bothe: HU examination questions of JCSE in English</td>
</tr>
<tr>
<td>00:30:00</td>
<td>SHORT BREAK</td>
</tr>
</tbody>
</table>

**Chairperson: Dražen Brđanin**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>00:20:00</td>
<td>Danijela Banjac: Recent achievements in automated database design from BPMN models</td>
</tr>
<tr>
<td>00:20:00</td>
<td>Agon Memeti, Betim Cico: Architectural Pattern for RESTful Service Coordination</td>
</tr>
<tr>
<td>00:20:00</td>
<td>Klaus Bothe: Final remarks</td>
</tr>
<tr>
<td>01:00:00</td>
<td>LUNCH BREAK</td>
</tr>
</tbody>
</table>

**SECTION: Case Studies and Projects**

**HALF DAY EXCURSION (Jahorina guided tour - longer one)**
16th Workshop (Jahorina):

Last one in the DAAD program
Academic Reconstruction of South Eastern Europe
Last workshop in the DAAD program

Stability Pact for South-Eastern Europe
(1999 - 2008)

DAAD
(German Academic Exchange Service)

Academic Reconstruction of South Eastern Europe
(until 2016)

DAAD project:
Software Engineering: Education and Research Cooperation

Summary:
- 9 countries
- 17 universities
- 19 faculties
(3 have been lost *)

2000
Humboldt University Berlin
University of Novi Sad

2001
University of Skopje
University of Plovdiv
University of Belgrade, Fac. EE + Nat. Sc.

University of Kragujevac *)
University of Nis, Fac. of Nat. Sc. *)

2003
University of Zagreb
University of Sarajevo
University of Banja Luka
University of Timisoara
University of Tirana *)

2004
University of Rijeka

2006
University of Nis, Fac. of EE
Polytechnic University of Tirana

2007
University of Montenegro (Podgorica)

2013
University of Tetovo (South-Eastern)
University of Craiova
University of Maribor
16th Workshop (Jahorina):

Last one in the DAAD program
Academic Reconstruction of South Eastern Europe

→ Current negotiations with DAAD to continue in another program (result open)
→ Hopefully not the last workshop