INTERNERSHIP AND APPLIED RESEARCH STUDIES IN BAVARIA

Erna Oklapi
Research Associate
OTH Regensburg
ernaoklapi@gmail.com
Who? How? What exactly?

- **2008. Starting studies on Faculty of Electrical Engineering**
  - University of Belgrade, Serbia
- **2010. Visiting Germany**
  - “Welcome to Germany” BAYHOST project
  - Zoran Đinđić Internship Program of German Bussnises
- **2013. Master studies at OTH Regensburg**
  - Applied Research Master
  - Cooperation with Timing-Architects Embedded Systems GmbH and Laboratory for Safe and Secure Systems
Currently...

OTI
OSTBAYERISCHE
TECHNISCHE
HOCHSCHULE
REGENSBURG

LaS³
Laboratory for
Safe and Secure Systems
a discipline of software engineering

Timing Architects
Laboratory for Safe and Secure Systems

- Organisation/Laboratory within OTH Regensburg
- Many research projects
  - Automotive area
  - Secure systems
  - Online learning projects
- Cooperation with leading representatives in automotive industry (e.g. AUDI, Continental, Timing-Architects…)
- Visibility at various conferences
Timing-Architects Embedded Systems

- Development Tools for Embedded Multi-Core Systems
- Located in Regensburg, Germany
- Facing the challenge in moving from single core to multi-core systems
- Necessary link between different representatives in automotive industry
- Cooperation with universities in research area
Personal reflections

• Positive
  • Friendly atmosphere
  • Professional help in solving the given tasks
  • Great resource of practical experience and knowledge
  • Cozy working area and surrounding
Stepping stones..

• Internship Time (University of Belgrade)
  • Lack of interest about the internship
  • No communication between company and faculty
    • „What is the interest of both sides?“
  • Competition >> Interest

• Research Master Time (OTH Regensburg)
  • *Schau 'ma mal*
    • foam again?
  • Tax / Insurance / TV Subscription / Different Rulles / Recycling...
  • Not clear line between industry and science work
How to prepare?

• At least basic German

• Be open to meet and accept the differences of other culture

• You are not „student“ anymore
  • Dedicated work in the office

• Answers will not be there without questions

• „suit and tie“

• Commitment and self-organisation in work
How to prepare?

Universities and companies

• Universities
  • Science can be explained also practically
  • 2+2 is in (N, +) still 4, but the books are old
  • Communication with the companies

• Companies
  • Behavior of the practical concepts can be explained by science
  • Projects can fail in many cases
  • Patience, patience, patience
  • Communication with universities
What are the benefits?

- Abstraction vs. Reality
- What you learn, you can really use.
- Facing the challenges
- Experience for the next job?
  - Already there!
- (...)

What you learn, you can really use.
Where is Serbia?

- Hard to find the middle between the industry and science
- Serbia needs more companies
  - Bigger competition area
- Student jobs should be more connected with student’s field of interest
- Finding the common goals
- Breaking the barriers in relationships
  - professors – students
  - students – employers
  - professors – employers
How to become an expert in some field?

1. Just by reading
2. Just by trying to figure out how the things are working
3. Or both