



INTERNSHIP AND APPLIED RESEARCH STUDIES IN BAVARIA

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Who? How? What exactly?

- **2008. Starting studies on Faculty of Electrical Engineering**
 - University of Belgrade, Serbia
- **2010. Visiting Germany**
 - “Welcome to Germany” BAYHOST project
- **2011. Internship in Timing-Architects Embedded Systems GmbH**
 - 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...



**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
 - Profesional 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 Rules / 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 $(\mathbb{N}, +)$ 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!
- (...)



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



THANK YOU FOR YOUR ATTENTION

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