

# CV: Zoran Utkovski

## Higher Education Degrees

- Sep. 2010: **University of Ulm, Germany**  
Dr.-Ing. (Ph.D.) *mit Auszeichnung (with distinction)*
  - Doctoral dissertation: *Non-coherent Communication in Wireless Point-to-Point and Relay Channels: A Geometric Approach*
  - Advisor: Prof. Juergen Lindner
- March. 2004: **Chalmers University of Technology, Gothenburg, Sweden**  
M. Sc. in Electrical Engineering *with distinction*  
Master Program: Digital Communication Systems and Technology
  - Master dissertation: *A Spherical Quantizer for Gaussian Sources*
  - Advisor: Prof. Thomas Eriksson
- Jul. 2000: **University Ss. Cyril and Methodius, Skopje, Macedonia**  
Diploma in Electrical Engineering [Dipl. Ing.]  
Concentration: Electronics and Communications

## Research Visits

- Oct.-Dec. 2008: Visiting researcher at Aalborg University, Denmark;  
Communication schemes with constrained reordering of resources
- Jan. 2012: Visiting researcher at Chalmers University of Technology, Sweden;  
Performance limits of noncoherent communication in multiple access wireless channels.

## Current Position

- Dec. 2010-present: Assistant Professor at University Goce Delcev Stip, R. Macedonia;  
Faculty of Computer Science  
Head of "Signal Processing and Communication Systems" group

## Previous Positions and Periods of Appointment

- May 2005-November 2010: Research and Teaching Assistant, University of Ulm, Germany  
Participant in two projects funded by the German Research Society (DFG)
- November 2004-April 2005: Junior researcher at University Cyril and Methodius Skopje, R. Macedonia
- January 2001-December 2001: System Engineer at Siemens AG, Munich

## **Projects**

- Principal investigator in the project "Non-coherent communication for future wireless networks", funded by the German Research Society (DFG) under the program "International Cooperation"

## **Patents**

- Z. Utkovski and P. Popovski  
Methods and Systems for Communication Using Combinatorial Reordering of Users and Data Packets (COMBUNICATION)  
Patent application filed by Aalborg University and University of Ulm

## **Other Scientific Activities**

- Awards: Best Poster Award at the IEEE Communication Theory Workshop, IEEE CTW 2010
- National representative in the Management Committee of the COST IC1004 Action "Cooperative Communications for Green Smart Environments"
- Reviewer for IEEE Transactions on Information Theory, Communications, Wireless Communications Letters, Vehicular Technology, IEEE Communications Letters and major IEEE Conferences