Curriculum Vitae

Rüdiger Knörig

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Personal Details

Gender: Male
Date of birth: 2th of April, 1977
Place of birth: Berlin Pankow, Germany
Present Citizenship: German

Professional Experience

03/2004 –08/2009	Teacher and researcher (PhD) at the department for signal processing of the university of technology, Berlin. PhD thesis title "Multiple description coding using cascaded correlated transforms."
	Projects: EU cooperation projects VISNET-I and VISNET-II, external project with the Robert Bosch GmbH.
	Research field: Error-robust video coding.

Professional Experience during study

09/2001 –02/2004	Programmer (C++)/ algorithm development for the "*SensingPeople*" project (joint-venture project of the TU Berlin).

Duties: GUI programming (Qt) and signal processing for microphone arrays.

Partners: Heinrich-Hertz-Institut (Berlin), Fraunhofer-Institut for microelectronic devices, (Duisburg), Fraunhofer-Institut for microelectronic circuits, Erlangen

06/2001 –05/2003	Tutor at the department of signal processing and telecommunication networks (TU Berlin).
02/2000 –03/2001	Programmer at the department "*Human factors / interactive media*" of the Heinrich-Hertz-Institut, Berlin.

University education

09/2009 –02/2010	Finishing PhD thesis, applying for a job, self-education in AVR microcontroller programming, OpenCV programming and UML.
07/2009 –09/2009	Visit to Vietnam.
03/2004 –08/2009	Dissertation on error-robust video coding at the department for signal processing of the university of technology, Berlin.

PhD title: PhD thesis name: *"Multiple description coding using cascaded correlated transforms"*.

Field: Error-robust video coding.

Status: Finished but not revised yet.

1996 –2003	M.S.E.E. at the University of Technology, Berlin. Final mark: 1.1 (Mark **A**, 98%).

Specialization: signal processing and telecommunication networks, computer graphics, computer architecture.

Thesis: *"Efficient coding and visualization of discrete volume data using the wavelet transformation"*. Marked with 1.0 (Mark **A**, 100%).

School

1990 –1996	High school *"Alexander-von-Humboldt"* in Berlin.
1984 –1990	Elementary school *"Georgie Dimitrow"* in Berlin.

Computer Skills

Operation Systems:	Unix (Linux, Solaris), Windows
Programming Languages:	C++, GUI-programming with the Qt, UML, C, Perl, Java, Pascal, Unix-Shell, HTML, XML+XSLT, SQL, RIB, ANT
Libraries:	Qt, OpenCV, IT++
Emb. Systems:	AVR (C, Assembler)
Applications:	Matlab, LaTeX, Eclipse, Word, Excel

Foreign languages

English:	Good.
Russian:	Elementary knowledges.
France:	Elementary knowledges.

Other

Hobbies:	Dancing, diving, programming.
Driving license:	European classes B,M,L.