

Research Topics for 911 scholarships for VGU lecturers



No.	University	Type	Research Area	Supervising Professor	Research Topic
1	Berlin	TU	Global Production Engineering	Prof. Günther Seliger & Prof. Jörg Krüger	Design of Assembly Workplaces for On-the-Job Qualification High-Tech Integration in Manual Assembly
2	Berlin	TU	Global Production Engineering	Prof. Günther Seliger & Prof. Kohl	Sustainable Manufacturing in German-Vietnamese Value
3	Berlin	TU	Global Production Engineering	Prof. Günther Seliger & Prof. Rainer Stark	Distance Education in Production Technology and Factory Management
4	Berlin	TU	Electrical Engineering and Information Technology	Prof. Georg Boeck & Prof. Gernot Zimmer	High Efficiency GaN Power Amplifiers Based on Wafer Scale Technologies
5	Berlin	TU	Electrical Engineering and Information Technology	Prof. Georg Boeck & Prof. Gernot Zimmer	Smart Load Modulation of High Power RF- and Microwave Amplifiers
6	Bochum	U	Wind Engineering	Prof. Rüdiger Höffer	Validated computational models of the interaction of turbulent and deforming civil engineering structures
7	Bochum	U	Computational Mechanics	Prof. Klaus Hackl & Prof. Matthias Baisch	Non-deterministic material and structural design via the stochastic finite element method.
8	Bochum	U	Computational Engineering	Prof. Khanh Chau Le & Prof. Matthias Baisch	Displacement controlled wedge indentation of a single crystal simulations and comparison with experiments
9	Bochum	U	Computational Engineering	Prof. Klaus Hackl	Numerical modelling of dynamic recrystallization in polycrystals
10	Bochum	U	Fluid Mechanics	Prof. Klaus Hackl & Prof. Jeanette Hussong	Experimental characterization of cavitating flows by combined pulse interferometry and particle image velocimetry measurements
11	Bonn	U	Sustainable Urban Development	Prof. Theo Kötter	Land Use Planning and Land Markets in Ho Chi Minh City Interrelations and Stakeholders
12	Darmstadt	TU	Sustainable Urban Development	Prof. Hans-Joachim Linke	Spatial Planning in Flood-Prone Areas
13	Darmstadt	TU	Traffic and Transport	Prof. Andreas Oetting	Railway systems and railway technology
14	Darmstadt	TU	Traffic and Transport	Prof. Ralf Elbert	Commercial Transport and Logistics
15	Darmstadt	TU	Transport planning and Traffic Engineering	Prof. Manfred Boltze	Capacity Estimation for Signalised Intersections in Motorway Dependent Cities
16	Darmstadt	TU	Thermodynamics	Prof. Peter Stephan	Numerical Simulation of Flow Boiling of Refrigerants in Minichannels
17	Darmstadt	TU	Material Science	Prof. Matthias Oechsner	Hydrogen enhanced stress corrosion cracking of high strength metallic materials
18	Darmstadt	TU	Material Science	Prof. Matthias Oechsner	Impact of coating ductility, thickness, and residual stress on the fatigue behavior of coated components.
19	Darmstadt	TU	Material Science	Prof. Matthias Oechsner	Robustness of thin CrN-Cr coatings under thermal and mechanical long term exposure.
20	Frankfurt	U	Banking and Finance	Prof. Mark Wahrenburg	Banking stability / banking fragility: identifying the factors that financial institutions resilient in times of economic stress or crisis
21	Frankfurt	U	Banking and Finance	Prof. Uwe Walz	Financing small businesses over their life cycle - Comparison between Asia and Europe

22 (KIT)	Karlsruhe	U	Material Sciences	Prof. Michael Hoffmann	Structure Property Relationships in Functional Ceramics
23 (KIT)	Karlsruhe	U	Design Methodology	Prof. Albert Albers	tbc
24	Leipzig	U	Small- and Medium Enterprise Development	Prof. Utz Dornberger	The Relevance of International Entrepreneurship for the E Success of the Vietnamese Manufacturing Industry
25	Leipzig	U	Small- and Medium Enterprise Development	Prof. Utz Dornberger	The Impact of Technological Capabilities on the Performan Vietnamese Enterprises

