

Welcome

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Research

Five Research Focal Areas:

- Computational Science and Engineering
- Quantum Physics and Quantum Technologies
- Materials and Matter
- Information and Communication Technology
- Energy and Environment Reseach Centre E+E: energiewelten.tuwien.ac.at

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TU-R	Research Ma	atrix: Resea	arch Focal A	Areas and R	Research Fi
Computational Science and Engineering	Quantum Physics and Quantum Technologies	Materials and Matter	Information and Communication Technology	Energy and Environment	Additional Fields of Research
Computational Materials Science	Photonics	Surfaces and Interfaces	Computational Intelligence	Energy Active Settlements and Infrastructures	Development and advancement of the architectural arts
Computational Fluid Dynamics	Quantum Metrology	Materials Characterization	Computer Engineering	Sustainable and Low Emission Mobility	The European City – between self- organisation und controllability
Computational System Design	Quantum Modeling and Simulation	Bulk Metallic Phases	Cognitive and Adaptive Automation and Robotics	Climate Neutral Renewable and Conventianal Energy Supply Systems	Fundamental Mathematics Research
Mathematical and Algorithmic Foundations	Nano-electronics	Non-metallic Materials	Distributed and Parallel Systems	Environmental Monitoring	Mathematical Methods in Economics
Computer Science Foundations	Design and Engineering of Quantum Systems	Composites	Media Informatics and Visual Computing	Efficient Utilisation of Resources	
Modeling and Simulation	Quantum Many- body Systems	Biomaterials	Business Informatics	Sustainable Technologies and Products	
Risk Based Design		Special and Engineering Materials	Telecommunication		
		Structure-Property- Relationship	Sensor Systems		

















