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TECHNISCHE UNIVERSITÄT DRESDEN		
ifWW	Inorganic-Nonmetallic Materials	Prof. Dr. rer. nat. habil. A. Michaelis
	Combinatorial Microelectrochemistry	Dr.-Ing. M. Schneider
IAVT	Electronic Packaging Laboratory	Prof. Dr.-Ing. H. Heuer
IFE	Institute of Solid State Electronics	Prof. Dr. habil. T. Härtling
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ERNST ABBE UNIVERSITY OF APPLIED SCIENCES		
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FREIE UNIVERSITÄT BERLIN		
	Experimental Physics	Prof. Dr.-Ing. S. Christiansen
TECHNISCHE UNIVERSITÄT BERGAKADEMIE FREIBERG		
	Chemical Technology	Prof. Dr. rer. nat. habil. M. Bertau
	Energy Process Engineering and Chemical Engineering	Prof. Dr.-Ing. M. Gräbner

MATERIALS	
Nonoxide Ceramics	Dipl.-Krist. J. Adler
Structural Ceramics with Electrical Function	
Carbide Ceramics and Cellular Ceramics	
Nitride Ceramics and Fiber Composites	
Protective Ceramics	
Filter Ceramics and Exhaust Gas Aftertreatment	
Oxide Ceramics	Dr.-Ing. S. Begand
Pilot Manufacturing of High-Purity Ceramics	
Oxide and Polymerceramic Composites*	
Transparent Ceramics	
PROCESSES AND COMPONENTS	
Processes and Components	Dr.-Ing. T. Moritz
Powder Technology	
Shaping	
Component Development and Manufacturing	
Additive and Hybrid Manufacturing	

MATERIALS AND PROCESS CHARACTERIZATION			
Sintering and Characterization		Dr. rer. nat. A. Potthoff, Dr.-Ing. J. Pötschke	
Thermal Analysis and Thermal Physics**		Quality Assurance Laboratory** and Mechanics Laboratory	
Heat Treatment		Chemical and Structural Analysis	
Ceramography and Phase Analysis		Hardmetals and Cermets	
Powder and Suspension Characterization**		Thin-Film Technologies	
Correlative Microscopy and Materials Data		Prof. Dr.-Ing. S. Christiansen	
Correlative Microscopy		Correlative Spectroscopy	
Digitally supported Systems and Services		Dipl.-Math. M. Brand	
Industrial Data Technologies		Machine and Production Design	
Chemometrics and Test Design		Software for Testing Systems	

ELECTRONICS / MICROSYSTEMS- AND BIOMEDICAL ENGINEERING	
Smart Materials and Systems	Dr.-Ing. H. Neubert
Multifunctional Materials and Components	
Applied Material Mechanics and Solid-State Transducers	
Hybrid Microsystems	Dr.-Ing. U. Partsch
Thick-Film Technology and Functional Printing	
Microsystems, LTCC and HTCC	
Functional Materials for Hybrid Microsystems	
Systems Integration and Electronic Packaging	
Ceramic Tapes	
Testing of Electronics and Optical Methods	Dr.-Ing. M. Röllig
Optical Test Methods and Nanosensors	
Speckle-Based Methods	
Reliability of Microsystems	
Systems for Testing and Analysis	Prof. Dr.-Ing. H. Heuer
Electronics for Testing Systems	
Eddy-Current Methods	
Ultrasonic Sensors and Methods	
Machine Learning and Data Analysis	
Project Group Cognitive Material Diagnostics Cottbus	
Microelectronic Materials and Nanoanalysis	Dr.-Ing. B. Jost, Dr. rer. nat. A. Clausner
Nanoscale Materials and Analysis	
Nanomechanics and Reliability for Microelectronics	
Condition Monitoring and Test Services	Dr.-Ing. L. Schubert
Condition Monitoring Hardware and Software	
Methods for Monitoring Systems	
Model-based Data Evaluation	
NDT Lab**	
Bio- and Nanotechnology	Dr. rer. nat. J. Opitz
Biological Materials Analysis	
Characterization Technologies	
Biodegradation and Nanofunctionalization	
Biologized Materials and Structures	

SITES AND COMPETENCE CENTERS	
Headquarters Dresden-Gruna, Saxony	
Site Dresden-Klotzsche, Saxony	
Site Hermsdorf, Thuringia	
Site Forchheim, Bavaria	
Site Berlin, Berlin	
Fraunhofer Project Center for Energy Storage and Systems ZESS, Braunschweig, Lower Saxony	
Fraunhofer Technology Center High-Performance Materials THM, Freiberg, Saxony	
Fraunhofer Smart Ocean Technologies SOT research group, Rostock, Mecklenburg-Western Pomerania	
Biological Materials Analysis research group at Fraunhofer IZI, Lipsia, Saxony	
Circular Carbon Technologies KKT research group Freiberg, Saxony	
Cognitive Material Diagnostics project group, Cottbus, Brandenburg	
Fraunhofer Center for Smart Agriculture and Water Management AWAM, Porto, Portugal	
Battery Innovation and Technology Center BITC, Arnstadt, Thuringia	
Industrial Hydrogen Technologies Thuringia WaTTh, Arnstadt, Thuringia	
Application Center Water, Hermsdorf, Thuringia	
Application Center Membrane Technology, Schmalkalden, Thuringia	

ENVIRONMENTAL AND PROCESS ENGINEERING	
Nanoporous Membranes	Dr.-Ing. H. Richter
Zeolite- and Carbon Membranes	
Polymer- and Mixed Matrix Membranes	
Membrane Prototypes	
High-Temperature Separation and Catalysis	Dr. sc. J. Richter
High-Temperature Membranes and Storages	
Catalysis and Materials Synthesis	
Circular Technologies and Water	Dr.-Ing. B. Faßbauer, Dr.-Ing. M. Weyd
Biomass Conversion and Nutrient Recycling	
Systems Engineering for Water and Wastewater	
Electrochemistry	
Membrane Characterization and Modeling	
Technical Electrolysis and Geothermal Energy	
Reaction Engineering Water	
Applied Membrane Technology	
Energy and Process Engineering	PD Dr.-Ing. habil. M. Jahn, Prof. Dr.-Ing. M. Gräbner
Modeling and Simulation	
Process Systems Engineering	
Circular Carbon Technologies KKT	
Systems Integration	
Energy System Concepts	

ENERGY SYSTEMS	
Materials and Components	Dr.-Ing. M. Kusnezoff
Hydrogen Technologies	
Joining Technology	
Materials for Printed Systems	
Ceramic Energy Converters	
High-Temperature Electrochemistry and Functionalized Surfaces	
Stationary Energy Storage Systems	Dr.-Ing. M. Schulz
Ceramic Electrolytes and Electrodes	
Cell Concepts and Prototypes	
Energy Storage Systems and Electrochemistry	Dr.-Ing. M. Partsch
Cell Design and Testing	
Recycling and Green Battery	
Process Development and Process Control	



* certified in accordance with DIN EN ISO 13485
** accreditation in accordance with DIN EN ISO/IEC 17025