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MARKETING AND STRATEGY	
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Marketing	
Press and Public Relations	

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
DCN	Dresden Center for Nanoanalysis	Prof. Dr. rer. nat. habil. E. Zschech
FRIEDRICH SCHILLER UNIVERSITY JENA		
	Technical Environmental Chemistry	Prof. Dr. rer. nat. M. Stelter
ERNST ABBE UNIVERSITY OF APPLIED SCIENCES		
SciTec	Materials Engineering	Prof. Dr. rer. nat. I. Voigt

MATERIALS	
Nonoxide Ceramics	Dipl.-Krist. J. Adler
Nitride Ceramics and Structural Ceramics with Electrical Function	
Carbide Ceramics and Filter Ceramics	
Oxide Ceramics	Dr.-Ing. S. Begand
Materials Synthesis and Development	
Pilot Manufacturing of High-Purity Ceramics	
Oxide and Polymerceramic Composites*	
PROCESSES AND COMPONENTS	
Processes and Components	Dr. rer. nat. H. Klemm
Powder Technology	
Shaping and Additive Manufacturing	
Component Development	
Finishing	

MATERIALS AND PROCESS CHARACTERIZATION			
Sintering and Characterization	Dr. rer. nat. habil. M. Herrmann	Quality Assurance Laboratory** and Mechanics Laboratory	
Thermal Analysis and Thermal Physics**		Chemical and Structural Analysis	
Heat Treatment		Hardmetals and Cermets	
Ceramography and Phase Analysis			
Powder and Suspension Characterization**			
Correlative Microscopy and Materials Data	Prof. Dr.-Ing. S. Christiansen	Correlative Microscopy and Materials Data	

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	

SITES	
Headquarters Dresden-Gruna, Saxony	
Site Dresden-Klotzsche, Saxony	
Site Hermsdorf, Thuringia	
Site Forchheim, Bavaria	
Site Rostock, Mecklenburg-Western Pomerania	
Site Cottbus, Brandenburg	
Fraunhofer Project Center for Energy Storage and Systems ZESS, Braunschweig, Lower Saxony	
Battery Innovation and Technology Center BITC, Arnstadt, Thuringia	
Fraunhofer Technology Center High-Performance Materials THM, Freiberg, Saxony	
Application centers	
Bioenergy, Pöhl, Saxony	
Bio-Nanotechnology Application Lab BNAL, Lipsia, Saxony	
Membrane Technology, Schmalkalden, Thuringia	
Tape Casting Center, Hermsdorf, Thuringia	

ENVIRONMENTAL AND PROCESS ENGINEERING	
Nanoporous Membranes	Dr.-Ing. H. Richter
Zeolite- and Carbon Membranes	
Polymer- and Mixed Matrix Membranes	
Membrane Prototypes	
Functional Carrier Systems and Layers	
High-Temperature Separation and Catalysis	Dr. rer. nat. R. Kriegel
High-Temperature Membranes and Storages	
Catalysis and Materials Synthesis	
Biomass Technologies and Membrane Process Engineering	Dr.-Ing. B. Faßauer
Biomass Conversion and Nutrient Recycling	
Systems Engineering for Water and Wastewater	
Membrane Process Technology and Modeling	
Technical Electrolysis and Geothermal Energy	
Reaction Engineering Water	
Chemical Engineering	PD Dr.-Ing. habil. M. Jahn
Modeling and Simulation	
Process Systems Engineering	

ENERGY SYSTEMS	
Materials and Components	Dr.-Ing. M. Kusnezoff
Joining Technology	
Materials for Printed Systems	
Ceramic Energy Converters	
High-Temperature Electrochemistry and Functionalized Surfaces	
System Integration and Technology Transfer	Dr. rer. nat. R. Weidl
System Concepts	
Validation	
Stationary Energy Storage Systems	
Thin-Film Technologies	
Sodium Battery Materials and Prototype Manufacturing	
Industrial Data Concepts	
Smart Machine and Production Design	
Energy Storage Systems and Electrochemistry	Dr.-Ing. M. Partsch
Electrochemistry	
Cell Concepts	
Electrode Development	
Electrochemical Energy Storage Systems and Converters	

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	
Software 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	



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