

Organizational chart

Fraunhofer Institute for Ceramic Technologies and Systems IKTS



INSTITUTE DIRECTOR		Prof. Dr. rer. nat. habil. A. Michaelis	
Deputy Institute Director	Dr.-Ing. M. Zins	Deputy Institute Director	Prof. Dr. rer. nat. I. Voigt
Deputy Institute Director	Prof. Dr. rer. nat. M. Stelter	Deputy Institute Director	Dr.-Ing. C. Wunderlich

ADMINISTRATION		Dr.-Ing. M. Zins	
Controlling, Finances and Purchasing			
Internal Services, Institute Center Dresden, Facility Management			
Quality and Environmental Management			
IT Management			
Human Resources			

MARKETING AND STRATEGY		Prof. Dr. rer. nat. M. Stelter	
Marketing			
Press and Public Relations			

TECHNISCHE UNIVERSITÄT DRESDEN		
ifWW	Inorganic-Nonmetallic Materials	Prof. Dr. rer. nat. habil. A. Michaelis
	Combinatorial Microelectrochemistry	
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	
* certified in accordance with DIN EN ISO 13485	

SINTERING AND CHARACTERIZATION / NON-DESTRUCTIVE TESTING			
Sintering and Characterization	Dr. rer. nat. habil. M. Herrmann		
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*	NDT Test Lab*		
Correlative Microscopy and Materials Data	Prof. Dr.-Ing. S. Christiansen		
Correlative Microscopy and Materials Data			
* accreditation in accordance with DIN EN ISO/IEC 17025			

ELECTRONICS / MICROSYSTEMS- AND BIOMEDICAL ENGINEERING	
Smart Materials and Systems	Dr.-Ing. H. Neubert
Multifunctional Materials and Components	
Applied Material Mechanics and Solid-State Transducers	
Systems for Condition Monitoring	
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	

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. Wolter
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	Prof. Dr. rer. nat. habil. E. Zschech
Nanoscale Materials and Analysis	
Nanomechanics and Reliability for Microelectronics	
Bio- and Nanotechnology	Dr. rer. nat. J. Opitz
Biological Materials Analysis	
Characterization Technologies	
Biodegradation and Nanofunctionalization	
Biologized Materials and Structures	



Management System
 ISO 9001:2015
 ISO 14001:2015
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