

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	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
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
IOWA STATE UNIVERSITY		
	Aerospace Engineering	Prof. Dr. rer. nat. et Dr.-Ing. habil. N. Meyendorf

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	
Component Development	
Finishing	
Process Technology and Silicate Ceramics	
* 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*		
Heat Treatment		
Ceramography and Phase Analysis		
Powder and Suspension Characterization*		
* accreditation in accordance with DIN EN ISO/IEC 17025		
Quality Assurance Laboratory* and Mechanics Laboratory		
Chemical and Structural Analysis		
Hardmetals and Cermets		
Accredited Test Lab*		

ELECTRONICS AND MICROSYSTEMS 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 Photovoltaics	
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	
Software for Testing Systems	
Eddy Current Methods	
Ultrasonic Sensors and Methods	
Machine Learning and Data Analysis	
Microelectronic Materials and Nanoanalysis	Prof. Dr. rer. nat. habil. E. Zschech
Micro- and Nanoanalysis	
Materials and Reliability for Microelectronics	
Project Group Berlin	Dipl.-Ing. R. Schallert

ENVIRONMENTAL AND PROCESS ENGINEERING	
Nanoporous Membranes	Dr.-Ing. H. Richter
Zeolite Membranes and Nano-Composites	
Carbon-Based Membranes	
Membrane Prototypes	
High-Temperature Separation and Catalysis	Dr. rer. nat. R. Kriegel
High-Temperature Membranes and Storages	
High-Temperature Separation	
Catalysis and Materials Synthesis	
Biomass Technologies and Membrane Process Engineering	Dr.-Ing. B. Faßauer
Biomass Conversion and Water Technology	
Mixing Processes and Reactor Optimization	
Membrane Process Technology and Modeling	
Technical Electrolysis and Geothermal Energy	
Chemical Engineering	PD Dr.-Ing. habil. M. Jahn
Modeling and Simulation	
Process Systems Engineering	

ENERGY SYSTEMS / BIO- AND MEDICAL ENGINEERING	
Materials and Components	Dr.-Ing. M. Kusnezoff
Joining Technology	
High-Temperature Electrochemistry and Catalysis	
Ceramic Energy Converters	
Materials MCFC	
System Integration and Technology Transfer	Dr. rer. nat. R. Weidl
System Concepts	
Validation	
Stationary Energy Storage Systems	
Thin-Film Technologies	
Bio- and Nanotechnology	Dr. rer. nat. J. Opitz
Biological Materials Characterization	
Characterization Technologies	
Biodegradation and NanoFunctionalization	
Mobile Energy Storage Systems and Electrochemistry	Dr.-Ing. M. Wolter
Electrochemistry	
Cell Concepts	
Electrode Development	
Energy Storage Systems and Electrochemistry	Dr.-Ing. M. Wolter
Electrochemical Energy Storage Systems and Converters	

