

# Organizational chart

Fraunhofer Institute for  
Ceramic Technologies and Systems IKTS



<b>INSTITUTE DIRECTOR</b>		<b>Prof. Dr. rer. nat. habil. A. Michaelis</b>	
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

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

<b>MARKETING AND STRATEGY</b>	<b>Prof. Dr. rer. nat. M. Stelter</b>
Marketing	
Press and Public Relations	

<b>TECHNISCHE UNIVERSITÄT DRESDEN</b>		
<b>ifWW</b>	<b>Inorganic-Nonmetallic Materials</b>	<b>Prof. Dr. rer. nat. habil. A. Michaelis</b>
	Combinatorial Microelectrochemistry	
<b>IAVT</b>	<b>Electronic Packaging Laboratory</b>	<b>Prof. Dr.-Ing. H. Heuer</b>
<b>IFE</b>	<b>Institute of Solid State Electronics</b>	<b>Prof. Dr. habil. T. Härtling</b>
<b>DCN</b>	<b>Dresden Center for Nanoanalysis</b>	<b>Prof. Dr. rer. nat. habil. E. Zschech</b>
<b>FRIEDRICH SCHILLER UNIVERSITY JENA</b>		
	<b>Technical Environmental Chemistry</b>	<b>Prof. Dr. rer. nat. M. Stelter</b>
<b>IOWA STATE UNIVERSITY</b>		
	<b>Aerospace Engineering</b>	<b>Prof. Dr. rer. nat. et Dr.-Ing. habil. N. Meyendorf</b>

<b>MATERIALS</b>	
<b>Nonoxide Ceramics</b>	<b>Dipl.-Krist. J. Adler</b>
Nitride Ceramics and Structural Ceramics with Electrical Function	
Carbide Ceramics and Filter Ceramics	
<b>Oxide Ceramics</b>	<b>Dr.-Ing. S. Begand</b>
Materials Synthesis and Development	
Pilot Manufacturing of High-Purity Ceramics	
Oxide and Polymerceramic Composites*	
<b>PROCESSES AND COMPONENTS</b>	
<b>Processes and Components</b>	<b>Dr. rer. nat. H. Klemm</b>
Powder Technology	
Shaping	
Component Development	
Finishing	
* certified in accordance with DIN EN ISO 13485	

<b>SINTERING AND CHARACTERIZATION / NON-DESTRUCTIVE TESTING</b>		
<b>Sintering and Characterization</b>	<b>Dr. rer. nat. habil. M. Herrmann</b>	
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*		Accredited Test Lab*
* accreditation in accordance with DIN EN ISO/IEC 17025		

<b>ELECTRONICS AND MICROSYSTEMS ENGINEERING</b>	
<b>Smart Materials and Systems</b>	<b>Dr.-Ing. H. Neubert</b>
Multifunctional Materials and Components	
Applied Material Mechanics and Solid-State Transducers	
Systems for Condition Monitoring	
<b>Hybrid Microsystems</b>	<b>Dr.-Ing. U. Partsch</b>
Thick-Film Technology and Photovoltaics	
Microsystems, LTCC and HTCC	
Functional Materials for Hybrid Microsystems	
Systems Integration and Electronic Packaging	
Ceramic Tapes	
<b>Testing of Electronics and Optical Methods</b>	<b>Dr.-Ing. M. Röllig</b>
Optical Test Methods and Nanosensors	
Speckle-Based Methods	
Reliability of Microsystems	
<b>Systems for Testing and Analysis</b>	<b>Prof. Dr.-Ing. H. Heuer</b>
Electronics for Testing Systems	
Software for Testing Systems	
Eddy Current Methods	
Ultrasonic Sensors and Methods	
Machine Learning and Data Analysis	
<b>Microelectronic Materials and Nanoanalysis</b>	<b>Prof. Dr. rer. nat. habil. E. Zschech</b>
Micro- and Nanoanalysis	
Materials and Reliability for Microelectronics	
<b>Project Group Berlin</b>	<b>Dipl.-Ing. R. Schallert</b>

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

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

