Fraunhofer IKTS

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, 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	Dr.-Ing. M. Schneider
IAVT	**Electronic Packaging Laboratory**	**Prof. Dr.-Ing. H. Heuer**
IFE	**Institute of Solid State Electronics**	**Prof. Dr. habil. T. Härtling**
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**
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**		
Correlative Microscopy and Materials Data	**Prof. Dr.-Ing. S. Christiansen**	
Correlative Microscopy		

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	
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	

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. 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, Prof. Dr.-Ing. M. Gräbner**
Modeling and Simulation	
Process Systems Engineering	
Circular Carbon Technologies KKT	

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	
Stationary Energy Storage Systems	
Thin-Film Technologies	
Industrial Data Concepts	
Smart Machine and Production Design	
Hydrogen Technologies	
Energy Storage Systems and Electrochemistry	**Dr.-Ing. M. Partsch**
Electrochemistry	
Cell and Process Development	
Recycling and Green Battery	

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

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