ORGANIZATIONAL CHART

Institute Director	Prof. Dr. habil. Alexander Michaelis
Deputy Institute Director / Head of Administration	Dr. Michael Zins
Deputy Institute Director / Marketing and Strategy	Prof. Dr. Michael Stelter
Deputy Institute Director	Prof. Dr. Ingolf Voigt
Deputy Institute Director	Dr. Christian Wunderlich

Materials

Nonoxide Ceramics
Dipl.-Krist. Jörg Adler
- Nitride Ceramics and Structural Ceramics with Electrical Function
- Carbid Ceramics and Filter Ceramics

Oxide Ceramics
Dr. Sabine Begand
- Materials Synthesis and Development
- Pilot Manufacturing of High-Purity Ceramics
- Oxide and Polymerceramic Composites*

Processes and Components
Dr. Hagen Klemm
- Powder Technology
- Shaping and Additive Manufacturing
- Component Development
- Finishing

* certified according to DIN EN ISO 13485

Sintering and Characterization / Non-Destructive Testing
Dr. habil. Mathias Herrmann
- Thermal Analysis and Thermal Physics*
- Heat Treatment
- Ceramography and Phase Analysis
- Powder and Suspension Characterization*
- Quality Assurance Laboratory* and Mechanics Laboratory

Environmental and Process Engineering

Nanoporous Membranes
Dr. Hannes Richter
- Zeolithe Membranes and Nano-Composites
- Carbon-Based Membranes
- Membrane Prototypes
- Functional Carrier Systems and Layers

High-Temperature Separation and Catalysis
Dr. Ralf Kriegel
- High-Temperature Membranes and Storages
- Catalysis and Materials Synthesis

Biomass Technologies and Membrane Process Engineering
Dr. Burkhardt Faßauer
- Biomass Conversion and Nutrient Recycling
- Systems Engineering for Water and Wastewater
- Membrane Process Technology and Modeling
- Technical Electrolysis and Geothermal Energy

Chemical Engineering
PD Dr. Matthias Jahn
- Modeling and Simulation
- Process Systems Engineering

Sites of Fraunhofer IKTS
Headquarter Dresden-Gruna, Saxony
Site Dresden-Klotzsche, Saxony
Site Hermsdorf, Thuringia
Office Berlin
Project group BTU Cottbus-Senftenberg, Brandenburg
Site Forchheim, Bavaria

Application Center
Battery Technology, Pleißa, Saxony
Bioenergy, Pöhl, Saxony
Bio-Nanotechnology Application Lab BNAL, Leipzig, Saxony
Membrane Technology, Schmalkalden, Thuringia
Tape Casting Center, Hermsdorf, Thuringia

Technische Universität Dresden	
ifWW – Institute of Inorganic-Nonmetallic Materials	Prof. Dr. habil. Alexander Michaelis
IAVT – Institute of Electronic Packaging Laboratory	Prof. Dr. Henning Heuer
IFE – Institute of Solid State Electronics	Prof. Dr. habil. Thomas Härtling
DCN – Dresden Center for Nanoanalysis	Prof. Dr. habil. Ehrenfried Zschech
Friedrich Schiller University Jena	
Technical Environmental Chemistry	Prof. Dr. Michael Stelter
Ernst Abbe University of Applied Sciences	
SciTec department – Materials Engineering	Prof. Dr. Ingolf Voigt
Freie Universität Berlin	
Institute of Experimental Physics	Prof. Dr. Silke Christiansen

- Chemical and Structural Analysis
- Hardmetals and Cermets
- NDT Test Lab*

Correlative Microscopy and Materials Data

Prof. Dr. Silke Christiansen

* accredited according to DIN EN ISO/IEC 17025

Electronics and Microsystems Engineering

Smart Materials and Systems

Dr. Holger Neubert

- Multifunctional Materials and Components
- Applied Material Mechanics and Solid-State Transducers
- Systems for Condition Monitoring

Energy Systems / Bio- and Medical Engineering

Materials and Components

Dr. Mihails Kusnezoff

- Joining Technology
- Materials for Printed Systems
- Ceramic Energy Converters
- High-Temperature Electrochemistry and Functionalized Surfaces

System Integration and Technology Transfer

Dr. Roland Weidl

- System Concepts
- Validation
- Stationary Energy Storage Systems
- Thin-Film Technologies
- Sodium Battery Materials and Prototype Manufacturing

Bio- and Nanotechnology

Dr. Jörg Opitz

- Biological Materials Analysis
- Characterization Technologies
- Biodegradation and Nanofunctionalization

Energy Storage Systems and Electrochemistry

Dr. Mareike Wolter

- Electrochemistry
- Cell Concepts
- Electrode Development
- Electrochemical Energy Storage Systems and Converters

Hybrid Microsystems

Dr. Uwe 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. Mike Röllig

- Optical Test Methods and Nanosensors
- Speckle-Based Methods
- Reliability of Microsystems

Systems for Testing and Analysis

Prof. Dr. Henning 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. habil. Ehrenfried Zschech

- Nanoscale Materials and Analysis
- Nanomechanics and Reliability for Microelectronics