

# Organizational chart

Fraunhofer Institute for  
Ceramic Technologies and Systems IKTS



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

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| <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  |                         |

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

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| <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>          |

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| <b>MATERIALS</b>  |                               |
| <a href="#">Nonoxide Ceramics</a>                                 | <b>Dipl.-Krist. J. Adler</b>  |
| Nitride Ceramics and Structural Ceramics with Electrical Function |                               |
| Carbide Ceramics and Filter Ceramics                              |                               |
| <a href="#">Oxide Ceramics</a>                                    | <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>                                   |                               |
| <a href="#">Processes and Components</a>                          | <b>Dr. rer. nat. H. Klemm</b> |
| Powder Technology   |                               |
| Shaping and Additive Manufacturing                                |                               |
| Component Development   |                               |
| Finishing   |                               |
| * certified in accordance with DIN EN ISO 13485                   |                               |

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| <b>SINTERING AND CHARACTERIZATION / NON-DESTRUCTIVE TESTING</b> |  |  |  |
| <a href="#">Sintering and Characterization</a>                  | <b>Dr. rer. nat. habil. M. Herrmann</b>                                |  |  |
| <a href="#">Thermal Analysis and Thermal Physics*</a>           | <a href="#">Quality Assurance Laboratory* and Mechanics Laboratory</a> |  |  |
| <a href="#">Heat Treatment</a>                                  | <a href="#">Chemical and Structural Analysis</a>                       |  |  |
| <a href="#">Ceramography and Phase Analysis</a>                 | <a href="#">Hardmetals and Cermets</a>                                 |  |  |
| <a href="#">Powder and Suspension Characterization*</a>         | <a href="#">NDT Test Lab*</a>  |  |  |
| * accreditation in accordance with DIN EN ISO/IEC 17025         |  |  |  |

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| <b>ELECTRONICS AND MICROSYSTEMS ENGINEERING</b>            |  |
| <a href="#">Smart Materials and Systems</a>                | <b>Dr.-Ing. H. Neubert</b>                   |
| Multifunctional Materials and Components                   |  |
| Applied Material Mechanics and Solid-State Transducers     |  |
| Systems for Condition Monitoring                           |  |
| <a href="#">Hybrid Microsystems</a>                        | <b>Dr.-Ing. U. Partsch</b>                   |
| Thick-Film Technology and Functional Printing              |  |
| Microsystems, LTCC and HTCC                                |  |
| Functional Materials for Hybrid Microsystems               |  |
| Systems Integration and Electronic Packaging               |  |
| Ceramic Tapes  |  |
| <a href="#">Testing of Electronics and Optical Methods</a> | <b>Dr.-Ing. M. Röllig</b>                    |
| Optical Test Methods and Nanosensors                       |  |
| Speckle-Based Methods                                      |  |
| Reliability of Microsystems                                |  |
| <a href="#">Systems for Testing and Analysis</a>           | <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                         |  |
| Project Group Cognitive Material Diagnostics Cottbus       |  |
| <a href="#">Microelectronic Materials and Nanoanalysis</a> | <b>Prof. Dr. rer. nat. habil. E. Zschech</b> |
| Nanoscale Materials and Analysis                           |  |
| Nanomechanics and Reliability for Microelectronics         |  |

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| <b>ENVIRONMENTAL AND PROCESS ENGINEERING</b>                          |                                   |
| <a href="#">Nanoporous Membranes</a>                                  | <b>Dr.-Ing. H. Richter</b>        |
| Zeolite Membranes and Nano-Composites                                 |                                   |
| Carbon-Based Membranes  |                                   |
| Membrane Prototypes   |                                   |
| <a href="#">High-Temperature Separation and Catalysis</a>             | <b>Dr. rer. nat. R. Kriegel</b>   |
| High-Temperature Membranes and Storages                               |                                   |
| Catalysis and Materials Synthesis                                     |                                   |
| <a href="#">Biomass Technologies and Membrane Process Engineering</a> | <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                          |                                   |
| <a href="#">Chemical Engineering</a>                                  | <b>PD Dr.-Ing. habil. M. Jahn</b> |
| Modeling and Simulation   |                                   |
| Process Systems Engineering   |                                   |

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| <b>ENERGY SYSTEMS / BIO- AND MEDICAL ENGINEERING</b>          |                               |
| <a href="#">Materials and Components</a>                      | <b>Dr.-Ing. M. Kusnezoff</b>  |
| Joining Technology  |                               |
| Materials for Printed Systems                                 |                               |
| Ceramic Energy Converters                                     |                               |
| High-Temperature Electrochemistry and Functionalized Surfaces |                               |
| <a href="#">System Integration and Technology Transfer</a>    | <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                                      |                               |
| <a href="#">Bio- and Nanotechnology</a>                       | <b>Dr. rer. nat. J. Opitz</b> |
| Biological Materials Analysis                                 |                               |
| Characterization Technologies                                 |                               |
| Biodegradation and Nanofunctionalization                      |                               |
| <a href="#">Energy Storage Systems and Electrochemistry</a>   | <b>Dr.-Ing. M. Wolter</b>     |
| Electrochemistry  |                               |
| Cell Concepts   |                               |
| Electrode Development   |                               |
| Electrochemical Energy Storage Systems and Converters         |                               |



Management System  
ISO 9001:2015  
ISO 14001:2015

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