

Contact

Fraunhofer Institute for Transportation and Infrastructure Systems IVI

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Fraunhofer
IVI

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Institute Profile

www.ivi.fraunhofer.de/en

Fraunhofer IVI in Dresden has a staff of more than 150 employees. In addition to applications in vehicle technology, the focus is on topics such as intelligent transport systems and civil security. An adjacent test track enables the testing of new propulsion technologies as well as test drives on an enclosed area. The Fraunhofer Application Center »Connected Mobility and Infrastructure« in Ingolstadt, a new structural unit of the institute, is dedicated to current and future issues relating to automated and cooperative driving.

Intelligent Transport and Mobility Systems

- Mobility services and data
- Ticketing and fares
- Transport planning
- Autonomous driving and cooperative driving maneuvers
- Urban Air Mobility

Vehicle and Propulsion Technologies

- Propulsion technologies
- Multi-axle steering systems and lane guidance
- Mobile work machines
- Thermal management

Vehicle and Traffic Safety

- Functional safety
- Analyses of accident data
- Traffic psychology

Energy Systems

- Autonomous utility systems
- Stationary energy storage systems



Working on a wide range of topics in various research fields, the institute is well-equipped to face the important challenges of our time.«

Prof. Dr. Matthias Klingner,
Director Fraunhofer IVI

Electromobility

- Battery development and recycling
- Charging technologies
- Electric buses
- Electric commercial vehicles
- Fuel cells / hydrogen technologies

Process Data Analysis

- Transport ecology
- Logistics
- Digital business processes

Civil Protection

- Planning and operation command
- Infrastructure management
- Risk assessment