



Fraunhofer
IVI

**Fraunhofer Institute for
Transportation and
Infrastructure Systems IVI**

Institute Profile

www.iv.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

Civil Security

- Planning and operation command
- Infrastructure management
- Risk assessment

Vehicle and Road Safety

- Functional safety
- Accident data analytics
- Traffic psychology

E-mobility

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



Our research in the fields of transportation, infrastructure, energy and civil security has never been more relevant than it is today.«

Prof. Dr. Sanaz Mostaghim,
Fraunhofer IVI Director

Intelligent Cooperative Systems

- Autonomous driving and cooperative driving maneuvers
- Swarm technology
- Autonomous aerial systems

Vehicle and Propulsion Technology

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

Process Data Analytics

- Transportation ecology
- Logistics
- Digital business processes

Contact

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