

# FRAUNHOFER INSTITUTE FOR FACTORY OPERATION AND AUTOMATION IFF

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## Intelligent logistics zones for the factories of future

- The revolution of the industry 4.0 carries a high innovation potential for digital logistics among many other domains.
- Intelligent logistics opens up new possibilities for the design and application of assistance functions due to the increasing interaction among people, machines, and surroundings.

Role as Partner

FoF-08

**Topic:** ICT-enabled modelling, simulation, analytics and forecasting technologies

FoF-08-2015

FoF-11

**Topic:** Flexible production systems based on integrated tools for rapid reconfiguration of machinery and robots

FoF-11-2015

# Tactile Internet<sup>2</sup>

Ensured trust, Latency, and Reliability

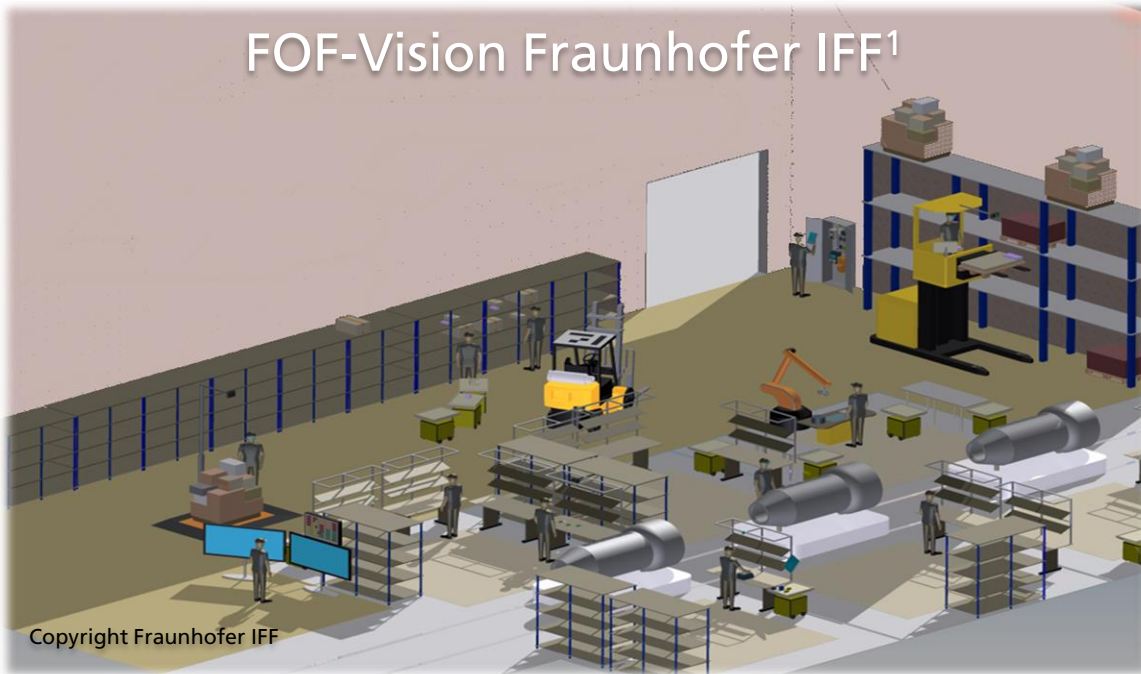
Cooperative, Interactive, and Control Factories



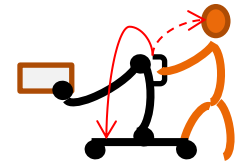
**Image Processing**  
(smart, robot, and mobile vision)



**RFID**



**Human Machine Interaction**



**Knowledge Engineering**

**Cognitive Vision**

**Artificial Intelligence**

<sup>1</sup>Offering key expertise in above areas

<sup>2</sup><http://www.et.tu-dresden.de/etit/index.php?id=770&L=1>

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# OFFERING ROLE AS PARTNER

## FOF-08 AND FOF-11-2015 CALLS

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- Europe's largest application-oriented research organization
- Projects:
  - Fast actuators sensors & transceivers for the tactile Internet [www.fast-zwanzig20.de](http://www.fast-zwanzig20.de)
  - A secure airport: E-Airport (EU-H2020)
  - A secure supply chain for Air freight: ESecLog
  - A new research Network in Germany: Assistance in Logistics
- A huge partner network around Germany, EU and USA