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L.I.N.K. TEST AND APPLICATION CENTER

Fraunhofer Institute for Integrated Circuits IIS

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RESEARCH AND DEVELOPMENT UNDER REALISTIC CONDITIONS

In the L.I.N.K. Test and Application Center at its Nuremberg site, Fraunhofer IIS groups together the key technologies of positioning, identification, navigation, and communication at facilities covering a total of over 11,000 m². L.I.N.K. offers the ideal combination of a technology environment and realistic, application-oriented testing conditions for the development of new technologies and services.

Applications

– Industry 4.0 and digitalized production
– Internet of Things (IoT)
– Automotive
– Logistics and material flow
– Virtual reality (VR)
– Security engineering
– Asset and resource management
– Home and building management
– Ambient assisted living (AAL) and medical technology
– Sports and leisure

Technical Facilities

– 3D positioning system
– High-precision optical laser reference system
– RFID positioning unit for visualizing RFID group reading processes
– All commonly used positioning and radio technologies
– Methods for measuring angles, time-based radio location, and field intensity distribution
– Wireless radio networks: 433 MHz, 868 MHz, 2.4 GHz, 5.8 GHz, WLAN 2.4 GHz, and DECT 1.9 GHz
– Technologies for the wireless transmission of sensor data
– Truck loading ramps, forklifts, and a warehouse storage/retrieval system for the realistic modeling of logistics processes
– Reference metrology area with integrated RFID tags

What we offer

The L.I.N.K. Test and Application Center is your gateway to a unique testing environment. In our capacity as an independent research institute, we evaluate your systems using our standard method or create realistic models of your individual application scenarios. In conjunction with the business know-how of our Center for Applied Research on Supply Chain Services SCS, we also provide technology consultancy services to optimize the use of technology in your company.

Realize your ideas with customized solutions from Fraunhofer IIS.