

RIGA TECHNICAL UNIVERSITY (RTU)

INSTITUTE OF INDUSTRIAL ELECTRONICS AND ELECTRICAL ENGINEERING



Since 1862

IEEI - Institute of industrial electronics and electrical engineering was established in 1987. The staff of Institute includes six professors, five associated professors and nine senior researchers, eight researchers, ten assistants and twenty one doctoral students that are constantly engaged in different government and industry funded research projects. The area of expertise includes electric drives, power electronic converters, hydrogen systems, solar systems, energy storage systems, power quality, electrical transport systems and intelligent control systems.

Key Research Fields & Competence Areas:

- **Power electronics and electrical drives**
- **Hydrogen, PV and wind energy systems**
- **DC and AC traction systems**
- **Advanced LED lighting systems**
- **Industrial automation and robotics**

Institute Highlights:

- **Power electronics laboratory**
- **Electric drives laboratory**
- **Industrial automation and mechatronics laboratory**
- **Fuel cell system laboratory**
- **EMC testing laboratory. A nechoic measurement chamber with intensity range up to 40 GHz**
- **Intelligent control system laboratory**
- **Non-destructive testing (NDT) laboratory**

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