

Elektrotechnisches Institut

# Institutskolloquium

Referenten:

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TECHNISCHE UNIVERSITÄT  
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## Technology Trends for Automotive Traction Inverters

Battery electric vehicles (BEV) are gaining momentum and account for over 18 % of the newly registered vehicles in Germany in 2023. This presentation will address the following technology trends in the field of traction inverters for BEV: The move to 800V-battery architecture, efficiency improvements to increase the vehicle range and the use of “virtual” temperature sensors to operate the inverter at the thermal limit.

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