



Powertrain trends in electric trucks

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Abstract:

Regulations demanding reduction of CO₂ and other greenhouse gas emissions are being implemented worldwide and they are the main driver for electrification in transportation. This presentation focuses on the trends of electric powertrain for trucks, their configuration in the vehicle, their limitations and optimization potential.

Curriculum Vitae:



Dr. Luciana Caminha Afonso is system architect for the application of commercial construction and agriculture vehicles at Infineon Technologies. She has eight years of experience in the area of electric powertrain and has held positions at powertrain Tier 1 and OEMs as a development engineer, project manager, and product owner, lately with focus on trucks and buses. Dr. Afonso holds a bachelor's degree in Physics and is Doctor of science in nuclear engineering from the University of Sao Paulo, Sao Paulo, Brazil, and was a guest Ph.D. student at the Helmholtz Center Munich, Germany.

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