

Inhaltsverzeichnis

Direct Drive System to Make In-Wheel Electric Vehicles Closer to a Production Reality	1
<i>Akeshi Takahashi, Makoto Ito, Tetsuya Suto, Ryuichiro Iwano, and Takafumi Hara</i>	
CO ₂ - Life Cycle Assessment for the Porsche Taycan	12
<i>Otmar Bitsche and Benjamin Passenberg</i>	
ZF eConnect: Efficient Solutions for AWD BEV	21
<i>Alessio Paone, Stephan Demmerer, Matthias Winkel, Martin Ruider, Philip Endres, and Uwe Großgebauer</i>	
Balancing of Efficiency, Costs and CO ₂ -Footprint for Future Mobility	33
<i>Christoph Danzer, Alexander Poppitz, Tobias Voigt, Manfred Prüger, and Marc Sens</i>	
Requirement and Potential Analysis of Load Profile Prediction Algorithms	46
<i>Lukas Schäfers, Pascal Knappe, Rene Savelsberg, Matthias Thewes, Simon Gottorf, and Stefan Pischinger</i>	
Depending on Lithium and Cobalt – The Impact of Current Battery Technology and Future Alternatives	62
<i>Mareike Schmalz, Christian Lensch-Franzen, Jürgen Geisler, Amalia Wagner, Thomas Rempel, and Johannes Hüther</i>	
System Optimization for 800 V e-drive Systems in Automotive Applications	73
<i>Joao Bonifacio, Felix Prauße, Michael Sperber, Thomas Schupp, Wolfgang Häge, and Viktor Warth</i>	
FCTRAC and BioH ₂ Modul – A Way to Zero Emission Mobility in Agriculture	86
<i>Veronica Gubin, Christian Varlese, Florian Benedikt, Johannes Konrad, Stefan Müller, Daniel Cenk Rosenfeld, and Peter Hofmann</i>	
Systems Engineering for Fuel Cell Vehicles: From Simulation to Prototype	105
<i>Daniel Ritzberger, Alexander Schenk, and Falko Berg</i>	

Sustainability Assessment of an Integrated Value Chain for the Production of eFuels	119
<i>Jana Späthe, Manuel Andresh, and Andreas Patyk</i>	
Creating and Sustaining User Engagement in Bidirectional Charging.	130
<i>Franziska Kellerer, Johanna Zimmermann, Sebastian Hirsch, and Stefan Mang</i>	
The Energy Transition in Germany: Carbon Neutrality in the Balancing Act between Energy Demand and Energy Supply	140
<i>Matthias Böger and Klaus Fuoss</i>	
Autorenverzeichnis	159