



Invitation to the 89. AMAP Colloquium

Presentation by

Dr. Jürgen Wesemann

Manager Technology & Strategy Integration,
Ford Research & Advanced Engineering Europe

Lightweighting in Times of Electrification

on Wednesday, **October 30th, 2024 at 4.00 pm**
with subsequent discussion at AMAP

All interested persons are sincerely invited to the AMAP foyer.
Snacks and refreshments will be available.

Contact: Dr. Uwe Knaak, Phone: +49-171-280 270 0
Dr. Peter von den Brincken, Phone: +49-172-25 27 212
AMAP GmbH, Schurzelter Straße 570, 52074 Aachen

www.AMAP.de Email: info@amap.de

Lightweighting in Times of Electrification

Dr. Jürgen Wesemann

Manager Technology & Strategy Integration,
Ford Research & Advanced Engineering Europe

Abstract

In times of electrification, the weight is important for the competitiveness of vehicles, especially of commercial vehicles. However, electrification as well as increased requirements with regards to safety and features drive cost and weight.

Lightweight at low costs is therefore a main goal in automotive construction. The focus of economical lightweight construction for high volume vehicles is not on the development of new, expensive materials. The development within well-known material classes and its optimized use is more important.

Key enablers for optimized use of materials are advanced tools for the virtual optimization, new manufacturing processes, however also a holistic approach and functional integration.