



6th International Summit

Next Generation

Steering Systems EUROPE 2023

May 16–17
MÖVENPICK HOTEL
Berlin | GERMANY

IN PARTNERSHIP WITH **nexteer**
AUTOMOTIVE

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GENERAL MOTORS



Volkswagen



Universität Stuttgart





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Steer-by-Wire is seen as the **future of steering technology** to enable improved comfort with new functions and features, a better agility as well as enhanced safety.

There are still challenges to face in respect to steering systems technology with regards to industry standardization, redundancy, safety, connectivity, HMI and availability to dive into a new era in mobility.

At the upcoming **5th edition of NEXT GENERATION STEERING SYSTEMS EU 2022 Summit** leading OEM and Tier1 industry players will be discussing those challenges and opportunities, looking at commercial vehicle steering development and **sharing their knowledge about latest achievements and future technology of LCV and HDV Steering Systems** from an international angle.

We invite you to **join our technology driven, dynamic spirited and lively sessions** this time in Berlin, Germany.

EARLY CONFIRMED SPEAKERS

BERTRAM MÖLLER
Managing Director



BJOERN KASPAR
Technical Project Manager
Nexteer Automotive

CEDRIC HEISE
Ph.D. Student Embedded Software
SbW Steering Systems Development
Driving System
Volkswagen AG



MALCOLM FOX
Royal Academy of Engineering
Professor, School of Mechanical Engineering
University of Bradford, UK

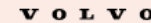


MARTIN RITTLER
Solution Architect Vehicle Platform



DR. MATTHIJS KLOMP
Solution Architect Vehicle Platform
Volvo Cars

JOSHUA DAWSON
Principal Engineer Steering Axels
and Suspensions,
Steering Systems Function Owner
Volvo Group Trucks Technology



JÖRG EIGENMANN
Global Head of Engineering
Business Unit Steering
Knorr-Bremse Systeme für
Nutzfahrzeuge GmbH



REINHARD GROSSHEIM
System Safety Architect



THOMAS KUEHNHOEFER
Project Director Development
Steering Rack Actuator
Robert Bosch Automotive Steering GmbH

IMRE SZEPESSY
VP Advanced Steering,
Technical Lead Steer-by-Wire
thyssenkrupp Presta AG



INVITED SPEAKERS FROM

ACTROS
BMW
DAIMLER TRUCK
GROUPE RENAULT
HONDA
HS KEMPTEN
HYUNDAI
IVECO
JAGUAR LAND ROVER
LUCID
MAN TRUCK & BUS
MERCEDES-AMG
MERCEDES-BENZ
NIO
SCANIA
STELLANTIS
TESLA
TRATON

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WHAT YOU WILL EXPERIENCE ON SITE



WHO IS WHO

Get in touch with other experts before the conference starts. Take a look at the business cards and photos while enjoying your first conversational and networking experience.



AUDIENCE Q&A

Interact with conference speakers and moderators to ensure all of your questions are answered during these sessions.



SPEEDNETWORKING

Break the ice and get to know your industry peers in these fast-paced one-to-one meetings. Greet each participant in this series of brief exchanges and share your professional background.



PANEL DISCUSSION

Benefit from deeper insights by attending panel discussions. Share your ideas and thoughts with peers and receive feedback from dedicated industry experts in this interactive session.



INTERACTIVE WORKING GROUPS

Get an in-depth approach to these hands-on themes. Discuss, brainstorm, elaborate and work together in this interactive session. Tutorials and workshops are also an excellent chance to interact at this perceived as the 'go-to' place for knowledge, best practice and credible solutions.



NETWORKING RECEPTION

RedCabin invites our delegates to enjoy an informal evening get-together with speakers and peers. Discuss the outcome of the first summit day and expand your network in a relaxed environment.

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THIS IS WHAT EXPERTS OF OUR PAST EVENTS EXPERIENCED

"Excellent conference and great networking opportunity! Thank you!"
Mitsubishi Electric Automotive America

"Topics presented & discussions were extremely relevant to today's market, questions & challenges."
Robert Bosch Automotive Steering

"Great opportunity to understand difficult topics faced in the industry & network with industry members."
Toyota

"I liked the presentation variety. Also the initial Meet and Greet 3 minutes speed date was a very good network strategy."
Hyundai Mobis North America

"Many informative discussions and opportunities to network with key players at different tier levels."
JTEKT North America

"Excellent interaction between OEM's, Tiers & Academy!"
SWOBODA

"Excellent cross-industry discussion. Relevant presentations. Engaging Workshops."
General Motors

"The organization and the location was very good."
Daimler

"Well organized! Creates Collaborations! Variety of topics & formats."
Autoliv

"Relevant topics for the industry and great networking opportunities."
Knorr-Bremse





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Summit DAY 1 | TUESDAY, MAY 16, 2023

08:15 Registration



Interactive session: Who is who

08:20 Get in touch with other experts before the conference starts. Take a look at the business cards and photos while enjoying your first conversational and networking experience.

09:00 Welcome and Introduction Presentation by the Conference Chairman

Bertram Möller – Managing Director, *Nexteer Automotive*

FUTURE OF STEERING SYSTEMS IN AUTOMOTIVE, COMMERCIAL AND HEAVY DUTY VEHICLES: What's new?

09:15 Steering system simulation and testing from an OEM perspective

Joshua Dawson – Principal Engineering Steering Axels and Suspensions, Steering Systems Function Owner, *Volvo Group Trucks Technology*

09:45 Health management for steering systems

- Introduction to vehicle health management
- Standardization efforts for vehicle health management
- Steering health management: Advanced diagnostics and prognostics

Bjoern Kaspar – Technical Project Manger, *Nexteer Automotive*





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Summit DAY 1 | TUESDAY, MAY 16, 2023



Interactive session: SPEEDNETWORKING

10:15 Break the ice and get to know your industry peers in these fast-paced one-to-one meetings. Greet each attendee in a series of brief exchanges and share your professional background. Make sure you bring a whole stack of business cards with you!

11:00 *Networking Coffee Break*

11:30 The accelerated technology change in CV steering systems challenge – flexible solutions for a transitional period

Jörg Eigenmann – Global Head of Engineering Business Unit Steering, Steering Systems Function Owner, Knorr-Bremse Systeme für Nutzfahrzeuge GmbH

12:10 System Architecture for Steer-by-Wire

Thomas Kuehnhoefer – Project Director Development Steering Rack Actuator, Robert Bosch Automotive Steering GmbH

12:45 *Networking Lunch*

14:00 The Steer by Wire Breakthrough Started!

Imre Szepessy – VP Advanced Steering, Technical Lead Steer-by-Wire, thyssenkrupp Presta AG



Interactive session: WORKING GROUP

The audience will be divided into 3 subgroups.

14:30 WORKING GROUP

Steer-by-Wire needed HW and mechanic Architecture

HOSTED BY: **Reinhard Grossheim** – System Safety Architect, Robert Bosch Automotive Steering GmbH

15:30 *Networking Coffee Break*

16:00 Continuing with GROUPS 1, 2 and 3

17:00 Results of the GROUPS

17:15 Closing Remarks by the summit chairman Bertram Möller



Interactive sessions: EVENING NETWORKING RECEPTION

17:45 Enjoy an informal evening get-together at **Lindenbräu am Potsdamer Platz** Bellevuestraße 3-5, 10785 Berlin

END OF DAY 1

Summit DAY 2 | WEDNESDAY, MAY 17, 2023

08:45 Registration

09:20 Welcome note by summit chairperson

Bertram Möller – Managing Director, *Nexteer Automotive*

Software development for enhanced steering systems technology

09:30 Virtual validation of software components for steer-by-wire systems

Cedric Heise – Ph.D. Student Embedded Software SbW Steering Systems Development Driving System, *Volkswagen AG*

10:00 System safety of steer-by-wire systems

Dr. Matthijs Klomp – Solution Architect Vehicle Platform, *Volvo Cars*

10:30 *Networking Coffee Break*

11:00 Future Polymer Material Requirements for Next Generation EPS

- Assistance Forces are Going Up, so that the energy transmitted through EPS systems is increasing significantly
- Both Lifetimes and Use of Vehicles are Increasing, so that the configuration of components must be maintained for longer
- The Polymer Components of EPS Systems Must be Re-examined, for enhanced resistance to wear and creep over longer lifetimes and higher energy throughput.





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Summit DAY 2 | WEDNESDAY, MAY 17, 2023

Malcolm Fox – Royal Academy of Engineering Professor, School of Mechanical Engineering, University of Bradford, UK



Interactive session: PANEL DISCUSSION

Benefit from deeper insights by attending panel discussions. Share your ideas and thoughts with peers and receive feedback from dedicated industry experts in this interactive session.

11:30 The life after steer-by-wire – what will be next: 2035 and beyond?

MODERATOR: **Martin Rittler** – Solution Architect Vehicle Platform, Volvo Cars

PANELISTS: **Björn Kaspar** – Technical Project Manager, Nex-
teer Automotive

Dr. Matthijs Klomp – Solution Architect Vehicle Platform, Volvo Cars

Thomas Kuehnhoefer – Project Director Development Steering Rack Actuator, Robert Bosch Automotive Steering GmbH

12:15 Networking Lunch

13:15 Berlin City Networking Tour

16:00 Networking Coffee Break

16:30 END OF SUMMIT





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INVESTMENT PER DELEGATE

DATE	2 DAY CONFERENCE INVESTEMENT
ORIGINAL INVESTMENT	2.995 €

SUMMIT VENUE

MÖVENPICK HOTEL
Schöneberger Straße 3
10963 Berlin, Germany

PARTNER HOTEL

NH Potsdamer Platz
Stresemannstraße 47
10963 Berlin, Germany
15.05.23 – 18.05.23 incl. breakfast
Telephone: +49 30 2238 0233
E-Mail: reservierungen@nh-hotels.com
Code: RedCabin/MB0003260206

For further information sponsorship or delegate registration please contact:

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