

Global GAAC Summit - SMART Mobility

A. Aal
Semiconductor Strategy Volkswagen AG and
Chair of Europe GAAC
Volkswagen, Wolfsburg, Germany



Biography

Andreas (IEEE SM / CRP) drove the semiconductor strategy & reliability assurance activities within the E/E development at Volkswagen, Germany, for many years, concentrating on technology capability enhancement of most advanced nodes incl. improved HW integration schemes as well as optimization of power electronics for automotive applications. He temporarily joint CARIAD SE between 2020 and 2022 as a system architect and product security officer focusing on semiconductor and SW driven innovations.

Wearing always one shoe from the semiconductor industry and the other one from the car OEM, he became a strong representative of the through-the-supply-chain-joint-development and collaboration approach also being rewarded with the EDA Achievement award 2020.

He has 24 years of experience with and within the semiconductor industry, has authored/co-authored over 40 publications on reliability and has given tutorials at IEEE IRPS and IIRW as well as invited and keynote speeches during various conferences and conventions.

His early collaboration activities began already in 2007 becoming the chair of the German VDE ITG group MN 5.6 on (f)WLR, reliability simulations and qualification. He is currently also chair of the European chapter of the SEMI Global Automotive Advisory Council (GAAC), member of the coordination team of the corresponding "European platform for automotive semiconductor requirements along the supply chain" hosted by the VDE ITG and member of the Bmbf industry advisory board on cyber security.

Driving the disruptive automotive transformation process on a collaborative supply chain basis is one of his major passions.

References

Topic Coming Soon

K. Krümmel
Senior Partner Automotive
Porsche Consulting GmbH, Stuttgart, Germany

The image shows the Porsche Consulting logo, which consists of the words "Porsche Consulting" in a bold, black, sans-serif font. The logo is centered on a light gray background.

Abstract

Coming Soon

Biography

Knut Krümmel is a seasoned leader in the automotive and mobility sectors with over 25 years of international experience driving transformation and innovation. A German national, he holds a degree in Chemical Engineering from TU Munich and an MBA from the Graduate School of Business in Cape Town. Before assuming his current role, he spent 20 years at **Porsche Consulting GmbH**, leading strategic initiatives across global markets,

References

Topic Coming Soon

J.-P. Gehrmann
Vice President Marketing (BL AAES)
NXP, Hamburg, Germany



Abstract

Coming Soon

Biography

Jan-Philipp Gehrmann is Vice President of Marketing for the Advanced Analog business line at NXP Semiconductors. With more than 20 years of experience in the semiconductor industry, his expertise encompass business strategy, sales, marketing, and product management. Multinational roles have led Jan-Philipp to China, Germany and Silicon Valley, where he previously led a business development and sales team that supported emerging automakers. Recognizing the unique needs of these new automakers, he initiated a system solutions program that provided a faster development path for core electric vehicle functions. Jan-Philipp is based in Hamburg, Germany, where his leadership during the recent supply crisis underscored his capacity to solve complex customer problems, and reflected his dedication to innovation and excellence, as well as strong collaboration skills across the supply chain.

References

Topic Coming Soon

D. Hoffend
Business Director Automotive Sector
imec, Leuven, Belgium



Abstract

Coming Soon

Biography

Dieter Hoffend is Business Director for the Automotive Sector at imec, where he leads strategic initiatives in chiplet technology and edge AI for the automotive industry. Based in Munich, he joined imec in February 2025, bringing more than 30 years of international experience in semiconductors, automotive electronics, and business leadership.

Before joining imec, Hoffend built a distinguished career at Intel Corporation. He played a pivotal role in shaping Intel's entry into the automotive market, serving on a three-person team that launched the company's automotive strategy in 2005. This work set the foundation for Intel's efforts in in-vehicle infotainment, advanced driver assistance systems (ADAS), and autonomous driving, and became a model for the broader semiconductor industry's engagement with the automotive sector.

Hoffend went on to lead Intel's automotive sales in Europe, covering IT, connectivity, and Industry 4.0 and manufacturing solutions. He managed global relationships with major automotive OEMs and Tier-1 suppliers, driving significant growth and fostering long-term strategic partnerships. His leadership also extended to high-level collaborations with IT OEMs such as Hewlett Packard, Fujitsu Siemens Computers, and MEDION AG, as well as establishing Intel's Foundry Services Business Development organization.

Recognized for his ability to navigate complex markets and cultivate executive-level relationships, Hoffend has consistently delivered growth and innovation in highly competitive technology-based environments.

References

Topic Coming Soon

A. Aal
Semiconductor Strategy Volkswagen AG and
Chair of Europe GAAC
Volkswagen, Wolfsburg, Germany



Abstract

Coming Soon

Biography

Andreas (IEEE SM / CRP) drove the semiconductor strategy & reliability assurance activities within the E/E development at Volkswagen, Germany, for many years, concentrating on technology capability enhancement of most advanced nodes incl. improved HW integration schemes as well as optimization of power electronics for automotive applications. He temporarily joint CARIAD SE between 2020 and 2022 as a system architect and product security officer focusing on semiconductor and SW driven innovations.

Wearing always one shoe from the semiconductor industry and the other one from the car OEM, he became a strong representative of the through-the-supply-chain-joint-development and collaboration approach also being rewarded with the EDA Achievement award 2020.

He has 24 years of experience with and within the semiconductor industry, has authored/co-authored over 40 publications on reliability and has given tutorials at IEEE IRPS and IIRW as well as invited and keynote speeches during various conferences and conventions.

His early collaboration activities began already in 2007 becoming the chair of the German VDE ITG group MN 5.6 on (f)WLR, reliability simulations and qualification. He is currently also chair of the European chapter of the SEMI Global Automotive Advisory Council (GAAC), member of the coordination team of the corresponding "European platform for automotive semiconductor requirements along the supply chain" hosted by the VDE ITG and member of the Bmbf industry advisory board on cyber security.

Driving the disruptive automotive transformation process on a collaborative supply chain basis is one of his major passions.

References