

Automotive at GTC

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The Conference for the Era of AI

Discover how AI and the unlimited potential of NVIDIA DRIVE® and NVIDIA Omniverse™ are transforming the automotive industry. Explore sessions on autonomous driving, generative AI, large language models, simulation, safety, design, manufacturing, and more—now available at NVIDIA On-Demand.

Featured Automotive Sessions



[Accelerating the New Era of Autonomous Vehicles With Generative AI](#)

Raquel Urtasun
Founder and CEO, Waabi



[Applying AI & LLMs to Transform the Luxury Automotive Experience](#)

Chrissie Kemp
Chief Data and Digital Product Officer, JLR (Jaguar Land Rover)



[Accelerating Automotive Workflows With Large Language Models](#)

Bryan Goodman
Director, Artificial Intelligence, Ford Motor Co.



[Infusing the Car's Cockpit With AI](#)

Dr. Ephrem Chemaly
VP & GM, Automotive Business Unit, MediaTek



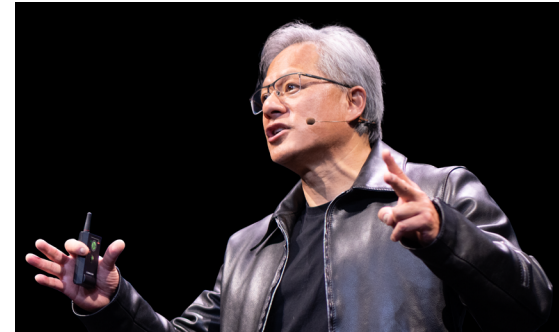
[How LLMs and Generative AI will Enhance the Way We Experience Self-Driving Cars](#)

Alex Kendall
Co-Founder and CEO, Wayve



[Generative AI and Industrial Digitalization in the Automotive Industry](#)

Alex Kendall, Co-Founder and CEO, Wayve
Raquel Urtasun, Founder and CEO, Waabi
Chrissie Kemp, Chief Data and Digital Product Officer, JLR (Jaguar Land Rover)
Norm Marks, VP, Automotive Enterprise, NVIDIA



GTC 2024 Keynote

See NVIDIA founder and CEO Jensen Huang share the latest breakthroughs in accelerated computing, generative AI, simulation, and cloud technologies.

[Watch the Replay](#)

DRIVE Developer Day

[Accelerating the Shift to AI-Defined Vehicles](#)

Xinzhou Wu, VP of Automotive, NVIDIA

[Achieving Scalable Autonomous Vehicle Driving With NVIDIA DRIVE](#)

Sarah Tariq, VP, Autonomous Driving Software, NVIDIA

[Advancing Automotive AI With Large Language Models and Vision Language Models on NVIDIA DRIVE](#)

Rui Zhuo, Senior Software Manager, NVIDIA

[Accelerating Autonomous Vehicle Development With High-Performance AI Computing](#)

Norm Marks, VP, Automotive Enterprise, NVIDIA

[Building the Next Generation of Autonomous Vehicles in Simulation](#)

Matt Cragun, Senior Product Manager, DRIVE Sim, NVIDIA

[Advancing Autonomous Vehicle Simulation With Omniverse and Generative AI](#)

Gautham Sholingar, Senior Manager, Product, NVIDIA

[Improving Safety With Software-Defined Vehicles](#)

Jonas Nilsson, Senior Engineering Manager, AV Safety, NVIDIA

AV Development and Simulation

[Revolutionizing AV Development With Foundation Models](#)

Marco Pavone, Director, Autonomous Vehicle Research, NVIDIA

[Addressing AV Deployment Policy Issues and Introducing a New Digital Proving Ground](#)

Joseph M. Kolly, Director of the Transportation Innovation Center, MITRE
Mark Rosekind, Former Administrator (2014-2017), National Highway Traffic Safety Administration (NHTSA)

[Achieving Better Accuracy in 3D Occupancy Prediction for Autonomous Driving](#)

Jose Alvarez, Director, Research, NVIDIA
Zhiding Yu, Senior Research Scientist, NVIDIA

[Open-Source Autonomous Vehicle Simulation With CARLA](#)

German Ros Sanchez, Director of Simulation Ecosystem Development, NVIDIA

[The Nuro Driver: An AI-First Autonomous Driving System](#)

Tilo Schwarz, Head of Autonomy, Nuro

[Achieving Mass Commercial AV Deployment With Real-World and Virtual Validation](#)

Sagar Behere, VP of Safety, Foretellig Ltd.

[Commercializing Mass-Produced Autonomous Driving Solutions](#)

Maxwell Zhou, CEO, DeepRoute.ai

Hear From Automotive
Experts at Global Companies



Minimizing Manual Data Labeling in Autonomous Driving

Antonio M. López, ICREA Academia Professor Computer Vision Center (CVC), Univ. Autònoma de Barcelona (UAB)

AI Drives Innovation and Development of Automotive Technology

Jia Peng, Head of Intelligent Driving Technology R&D, Li Auto
Chen Wei, Chief Scientist of Intelligent Space Algorithm, Li Auto
Click Cheng, Technical Director, Automotive Industry Data Center, NVIDIA
Joey Wang, GPU Accelerated Computing Software Development Manager, NVIDIA
Martin Chi, TSE Team Senior Technical Manager, Deep Learning, NVIDIA
Phoebe Li, Automotive Industry Developer Relations Manager, NVIDIA

Closed-Loop System of Autonomous Driving Data Supported by Foundation Models

Dr. Yong Chen, Director of Data Intelligence Center, Geely Automobile

Enhancing AI-Based Perception Testing With Radar Sensor Simulation

Lionel Benes, Lead Product Manager, Ansys

Reliable Multi-Modal Perception in Complex Urban Multi-Agent Settings

Daniel Watzenig, Professor and CTO, Graz University of Technology and Virtual Vehicle Research

A Foundational Driving Model Trained Using Billions of Miles of Real-World Driving Data

David Julian, Chief Technology Officer and Co-Founder, Netradyne

Introduction to Autonomous Vehicles

Aaraadhya Narra, Senior Product Manager, Autonomous Vehicles, NVIDIA

Design and Manufacturing

Automotive Design Fueled by Generative AI

Ashlee Martino-Tarr, 3D Workflow Specialist, NVIDIA
Peter Pang, Senior Product Manager, NVIDIA

Transforming Factory Planning and Manufacturing Operations Within Digital Mega Plants

Benjamin Huber, Head of Advanced Automation & Digitalization, Business Area UX, Continental

Unifying & Accelerating Automotive Design Workflows

David Defianas, Fellow in Immersive Technologies, Stellantis

Innovative Applications of Real-Time 3D and AI in the Automotive Industry

Zhou Huang, Senior Director, Lotus Tech

Driving Accessibility to High-End Graphics With BMW and CloudXR

Xaver Freiherr Loeffelholz von Colberg, Product Owner 3D AppStore, BMW Group



Retail Configurators

[Using CloudXR to Deliver High-Performance, Scalable Customer Retail Experiences for Aston Martin](#)

Chris O'Connor, Executive Director, ZeroLight

[Building a 3D Product Configurator With USD and Omniverse](#)

Ashley Goldstein, Developer Advocate, Omniverse, NVIDIA
Devin Lafontaine, Senior Product Manager, Omniverse, NVIDIA
Martin Karlsson, Principal Product Manager, Omniverse, NVIDIA

nuro

rescale

High-Performance Computing

[Accelerating Aerodynamics Analysis at Mercedes-Benz](#)

Erich Jehle-Graf, Mercedes-Benz
Ian Pegler, Global Business Development - CAE, NVIDIA
Liam McManus, Technical Product Manager, Siemens

SIEMENS

[Revolutionizing Industrial Fluid Dynamics With Advanced Deep Learning Techniques](#)

Bradley Safnuk, AI/ML Technical Leader, Ford Motor Co.

STELLANTIS

[How GM Motorsports Accelerated External Aerodynamics Analyses With AI Physics in the Cloud](#)

Joris Poort, Founder & CEO, Rescale
Logan McLeod, Motorsports Software Engineering, General Motors

waabi

Live From GTC



[A Conversation on the Latest Automotive Innovations](#)

Danny Shapiro, VP, Automotive, NVIDIA
Dean Takahashi, Lead Writer, VentureBeat



[Volvo Cars Fireside Chat on Safety, AI, and More](#)

Ali Kani, VP & General Manager, Automotive, NVIDIA
Alwin Bakkenes, VP & Head of Software Engineering

ZL ZeroLight



[Aurora Discusses Autonomous Trucking](#)

Danny Shapiro, VP, Automotive, NVIDIA
Yanbing Li, SVP of Software Engineering, Aurora



[Zoox Shares Approach to Rider Mobility and Recent Milestones](#)

Ali Kani, VP and GM of Automotive, NVIDIA
Aicha Evans, CEO, Zoox

