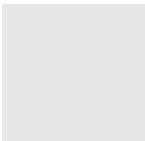# Automotive at GTC

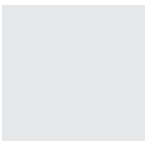Explore now on demand.

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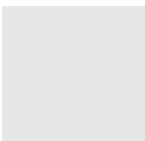
Featured Automotive Sessions

Accelerating the New Era of Autonomous Vehicles With Generative AI

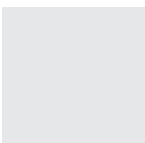**Raquel Urtasun**
Founder and CEO, Waabi

Applying AI & LLMs to Transform the Luxury Automotive Experience

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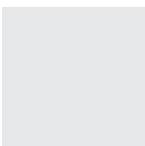Chief Data and Digital Product Officer, JLR (Jaguar Land Rover)

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, Foretellix Ltd.

Commercializing Mass-Produced Autonomous Driving Solutions
Maxwell Zhou, CEO, DeepRoute.ai

Hear From Automotive Experts at Global Companies

Ansys

BMW

Continental

DEEPROUTE.Ai

Ford

foretellix

GEELY

gm

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 Bennes, 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

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

Revolutionizing Industrial Fluid Dynamics With Advanced Deep Learning Techniques

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

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

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

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