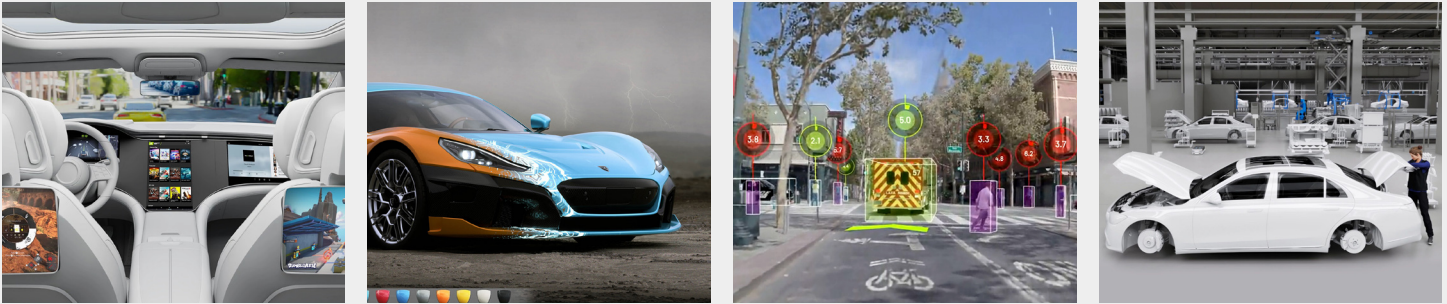



# Automotive at GTC



## The Technology Conference for the Era of AI and the Metaverse

Join us online at GTC to learn how AI and the unlimited potential of NVIDIA Omniverse™ are transforming the transportation industry. Choose from talks and panels with industry leaders in autonomous driving, simulation, safety, infrastructure, design, manufacturing, and more.



NVIDIA CEO Jensen Huang will take the stage for the GTC 2023 keynote on March 21.

[Save the Date >](#)

### Featured Automotive Sessions



**Improving Road Safety With AI-Based Stereo-Camera Object Detection (51087)**

Toru Saito  
Deputy Chief of Subaru Lab,  
Subaru Corporation



**From Tortoise to Hare: How AI Can Turn Any Driver Into a Racecar Driver (51328)**

Sacha Vražić  
Director, Autonomous Driving R&D,  
Rimac Technology

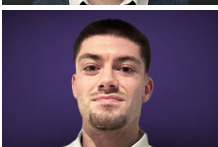


**Key Learnings From the Jaguar Land Rover Natural Language Processing Development Journey (51329)**

Liz Metcalfe-Williams  
Senior Data Scientist,  
Jaguar Land Rover



Otto Fitzke  
Machine Learning Engineer,  
Jaguar Land Rover



James Earle  
Machine Learning Research Engineer,  
Jaguar Land Rover



**Reinventing Electronic Architecture for Software-Defined Vehicles (51301)**

Tom Xie  
Vice President, ZEEKR

Some sessions may have additional broadcast times. [Browse the catalog](#) for options.

## DRIVE Developer Days - Sessions Led by NVIDIA Experts

### Building AI-Based HD Maps for Autonomous Vehicles (50001)

Rambo Jacoby, Principal Engineer  
Vijay Chintalapudi, Engineering Manager  
Michael Boone, Product Marketing Manager

### Scaling Autonomous Vehicle Simulation With NVIDIA DRIVE Sim and Omniverse (50003)

Asmita Wankhede, Senior Product Manager

### How to Generate Synthetic Data With NVIDIA DRIVE Replicator (50004)

Gautham Sholingar, Product Manager  
Tae Eun Choe, Senior Engineer Manager

### Enhancing Autonomous Vehicle Safety Using NVIDIA In System Test (50005)

Karl Greb, Safety Engineering Director

### Developing Robust Multi-Task Models for AV Perception (50006)

Le An, Senior Deep Learning Software Engineer  
Boyin Zhang, Senior Deep Learning Engineer

## Hear From Automotive Experts at Global Companies



cruise



Google



nuro



Tencent

Uber



ZOOX

## Safety

### Navigating the AV Landscape: Balancing Safety, Innovation, and Regulation (51157)

Louis Stewart, Head of Strategic Initiatives, Developer Ecosystem, NVIDIA  
Bernard Soriano, Deputy Director, California Department of Motor Vehicles  
Mark Rosekind, Chief Executive Officer, California Mobility Center  
Beth Mykytiuk, Associate General Counsel, Product & Regulatory, Zoox

### Achieving Seamless Traffic Management with AI Vision and Digital Twins (S52145)

Pooja Venkatesh, Senior Product Manager, Smart Cow

### Building Trust in AI for Autonomous Vehicles (51934)

Marco Pavone, Director, Autonomous Vehicle Research, NVIDIA

### Data-Driven AV Safety (51452)

Jonas Nilsson, Sr. Engineering Manager, AV Safety, NVIDIA  
Richard Bramley, Distinguished Engineer, AV Safety, NVIDIA

### Sensor Cybersecurity for ADAS and In-Cabin Monitoring (Presented by onsemi) (S52437)

Ludovic Rota, Product Marketing Manager, Automotive Sensing Division, onsemi

## Design, Manufacturing, and Operations

### BAC Mono: The World's Only Made-to-Measure, Single-Seat Supercar (Presented by Z by HP) (52404)

Ian Briggs, Co-Founder and Design Director, Briggs Automotive Company (BAC)

### How to Build a Robust Platform for Real-Time Inference: Learnings from Michelangelo (52020)

Joseph Wang, Principal Software Engineer, Uber  
Rush Tehrani, Engineering Manager, Uber

### Hands-On Start into the Industrial Metaverse for Small and Medium Enterprises (51476)

Michael Wagner, CTO and Co-Founder, SyncTwin GmbH

### How General Motors Explores Future Automated Workflows Using a Single 'Live' USD Dataset with Omniverse (51344)

Shawn Collins-Lopez, Immersive Lab Engineer / Visualization Specialist, General Motors  
Jonathan Wilson, Immersive Software Development Manager, General Motors

### Immersive Product Development in the Automotive Industry: Opportunities and Challenges (51927)

Pedro Mario Cruz e Silva, Senior Solutions Architect, NVIDIA  
Ingrid Winkler, Associate Professor, SENAI CIMATEC University Center

## AV Development

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### Accelerating AV Development With AI, Simulation, and Synthetic Data (51050)

Norm Marks, Vice President, Automotive Enterprise, NVIDIA  
Ödgård Andersson, CEO, Zenseact  
Albert Meixner, Head of Software, Nuro  
Annie Lien, Deputy CEO, VinAi

### Data-Driven AV Development: Data Management and MLOps (51812)

Anas Al-Nuaimi, Senior Software Developer for Autonomous Driving, BMW AG

### PhyCV: Physics-Inspired Computer Vision Library (51141)

Yiming Zhou, Graduate Student Researcher, University of California, Los Angeles, Jalali-Lab

### Building City-Scale Neural Radiance Fields for Autonomous Driving (51770)

Piotr Sokolski, Staff Machine Learning Software Engineer, Wayve

### Making ADAS Smarter and Faster: Data Management from the Road to the Data Center (Presented by IBM) (51099)

Frank Kraemer, Systems Architect, IBM

### Revolutionizing AV Development With Generative AI (51923)

Marco Pavone, Director, Autonomous Vehicle Research, NVIDIA  
Sanja Fidler, VP, AI Research, NVIDIA  
Sarah Tariq, VP, Autonomous Driving Software, NVIDIA

### Cloud-to-Vehicle Integration for Autonomous Vehicles (Presented by 腾讯云 Tencent Cloud) (52357)

Shuman Liu, Vice President, Tencent Intelligent Mobility

### Deep Dive Into Cruise's ML Compiler (51821)

Sanjoy Das, Tech Lead and Manager, Cruise  
Jacques Pienaar, Tech Lead and Manager, Google

### Achieving AV Training Data Diversity Using AI Relighting Techniques (51407)

Lily (Xianling) Zhang, Machine Learning Research Scientist, Ford Motor Company  
Nathan Tseng, Machine Learning Research Engineer, Ford Motor Company

### Embedded and Large-Scale Signal Data Processing (51336)

Valerio Zanetti, Senior System Architect, T-Systems  
Christian Holzgräfe, Solution Architect, The Retail Performance Company

## Connect With Experts

### Accelerating AV Development and Testing, Synthetic Data Generation, and DRIVE Sim (52111)

Norm Marks, Vice President, Automotive Enterprise, NVIDIA  
Dean Harris, Automotive Business Development, NVIDIA  
Martijn Tideman, Automotive Simulation Business Development, NVIDIA  
John Schmotzer, Automotive Platform Business Development, NVIDIA

## Simulation

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### Scalable Quantum Simulators for Industry Problems (51600)

Johannes Klepsch, Product Owner Quantum Computing, BMW AG  
Andre Luckow, Head of Innovations and Emerging Technologies, BMW AG

### Enabling Large-Scale Testing of ADAS and AV Using OpenSCENARIO V2.0 (51427)

Sharon Rosenberg, Solution Architect & Chief Methodologist, Foretellix

### A State-of-the-Art AI Solution for Point Cloud Resolution Transformation Based on Synthetic Data (51574)

Ahmed ElSherif, Simulation Engineer, Valeo

## Enrichment

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### Introduction to Autonomous Vehicles (51168)

Katie Washabaugh, Automotive Product Marketing Manager, NVIDIA

### Get Hands-On Training With DLI Workshops

Topics include AI, accelerated computing, computer vision, data science, graphics and simulation, and more.

Register FREE for GTC 2023