

Automotive at GTC Now On-Demand

March
2023

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NVIDIA CEO Jensen Huang's
GTC 2023 Keynote

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Featured Automotive Sessions



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

Toru Saito
Deputy Chief of Subaru Lab,
Subaru Corporation



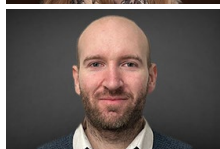
From Tortoise to Hare: How AI Can Turn Any Driver into a Racecar Driver (51328)

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

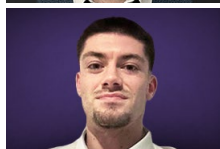


Key Learnings from the Jaguar Land Rover Natural Language Processing Development Journey (51329)

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

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

Valeo



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

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

Simulation

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

Introduction to Autonomous Vehicles (51168)

Katie Washabaugh, Automotive Product Marketing Manager, NVIDIA
