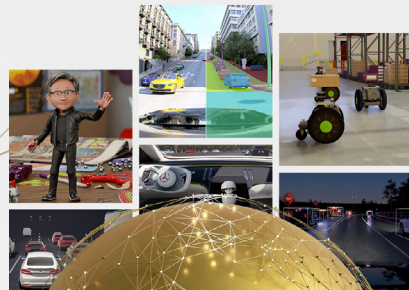


# AUTOMOTIVE AT GTC NOW ON-DEMAND



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## GTC KEYNOTE BY NVIDIA CEO AND FOUNDER JENSEN HUANG

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## AUTONOMOUS VEHICLES

### Angus Pacala, CEO and Co-Founder, Ouster

**S41320** Intelligent Sensing with Digital Lidar and NVIDIA Platforms: From Autonomous Vehicles and Robots to Smart Cities with DRIVE, Isaac, and Metropolis

### Ke Li, Software Engineer, Pony.ai Petr Shepelev, Senior Systems Software Engineer, NVIDIA

**S41879** Accelerating In-Vehicle GPU Computing, from Sensing to Inference

### Pradyot Korupolu, Co-Founder and CTO, Ottonomy

**S41333** Moving Toward High-Information Navigation Maps: Efficient Camera and Lidar Fusion

### Marco Pavone, Director, Autonomous Vehicle Research, NVIDIA

**S42037** Addressing Open Research Challenges in Vehicle Autonomy

### Paul Wu, Staff Marketing Manager- Automotive, Omnivision

**S42656** Next-Gen Interior and Exterior Applications with the Industry-Leading Viewing and Sensing Solutions (Presented by OMNIVISION)

### Fisher Yu, Assistant Professor, ETH Zürich

**S41300** Object Tracking Made Easy

## FEATURED SPEAKERS



**Magnus Östberg, Chief Software Officer, Mercedes-Benz RDNA**

**S42395** Creating Software for the Most Desirable Cars



**Raquel Urtasun, Founder and CEO, Waabi**

**S42694** Building a Next-Generation Autonomous Driving System with the Waabi World High-Fidelity, Closed-Loop Simulator



**Jim Morgan, Domain Product Owner, Jaguar Land Rover**

**Alex Elliott, Head of Connected Product & Experience, Jaguar Land Rover**

**S42129** How Software-Defined Vehicle Architectures are Helping Reimagine the Modern Luxury Experience



**Stefan Sicklinger, Head of Division - BigLoop and Advanced Systems, CARIAD**

**S42368** Leveraging a Customer Fleet to Scale Data-Driven Development



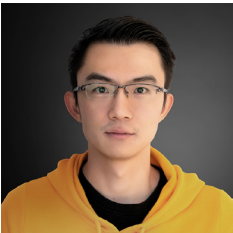
**Cristina Rico Garcia, Head of Sensor Fusion, CARIAD**

**S42372** Transitioning from Object-Level Sensor Fusion to AI-Based Sensor Fusion in Autonomous Vehicles



**Xiaodi Hou, Co-Founder and CTO, TuSimple**

**S42352** Welcome to the Driver Out Era



**Geoffrey Bouquot, Group CTO & Vice President Strategy, VALEO**

**S42391** Augmenting Autonomous Vehicle Perception



**Michael Keckeisen, Director Product Line ProAI, ZF Group**

**S42256** Bringing Supercomputing to Next-Generation Vehicles



**Norm Marks, Global Head, Automotive Enterprise, NVIDIA**

**Ashok Divakaran, Connected & Autonomous Vehicles Leader, Deloitte**

**Ajay Rane, Global Head, IoT Strategy & BD - Telco, AWS**

**Mark Rosekind, Chief Safety Innovation Officer, Zoox**

**Mamatha Chamarthi, SVP and Global Head of Business and Product Management, Stellantis**

**S42301** Connected and Autonomous Vehicle Ecosystem: An Industry Tipping Point

## FEATURED PANEL

## SIMULATION

**Michael Wagner, CTO, ipolog GmbH**  
**Julian Winzer, Product Owner for Logistics Planning Systems, BMW AG**

**S41632** Toward a Synchronized Manufacturing Digital Twin: NVIDIA Omniverse has the Building Blocks

**Jimmy Nassif, CTO Bei IDEALworks, idealworks**  
**Marc Kamradt, Head of TechOffice MUNICH, BMW Group**

**S41142** Creating the Future: Creating the World's Largest Synthetic Object Recognition Dataset for Industry (SORDI)

**Alexis Vartanian, CTO, TechViz**

**S41235** Creating "Phygital" Collaborative XR Spaces to Optimize the Design of 3D models

**Jeffrey Decker, Lead R&D Engineer, Ansys**  
**Mathieu Reigneau, Product Manager, Ansys**

**S42056** Real-Time Radar and Dynamic Camera Simulation for Complex Autonomous Driving Environments

**Masanobu Horie, Chief Research Officer, Research Institute for Computational Science Co. Ltd.**

**S42404** Accelerating Simulation Process Using GPUs and Reliable Neural Networks

**Igor Tryndin, Director of Perception Algorithms, Luminar**

**S42077** Applying Advanced Lidar Simulation for AV Perception

**Jean-Marc Alkazzi, Senior AI Engineer, idealworks**  
**Jimmy Nassif, CTO Bei IDEALworks, idealworks**

**S41189** Idealworks, Industrial Robots, and Virtual Worlds

**Christopher Wiegand, Strategic Product Manager Simulation Models and Scenarios, dSPACE**

**S42052** A Holistic View on AV Validation Based on High-Fidelity Simulation

**Ashish Naik, Business Development Global Group Manager – ADAS/AD Validation Test, NI**

**S42015** Techniques for Architecting AV Validation Solutions

**Holger Banzhaf, Managing Director, DeepScenario GmbH**

**S41140** Real-World Traffic Scenarios for Automated Driving Development

**Benoit Deschamps, Computer Graphics & Visual Simulation Solution Specialist at Renault, Renault Group**

**S42367** Next Challenges in Computer Graphics for Automotive Lighting Simulation

**Joe Mercado, Senior Product Manager, Unity**

**S42463** Power Up Your ADAS Simulations with Unity (Presented by Unity Technologies)

## DRIVE DEVELOPER DAYS

**Hyperion: Today and in the Future**

**SE8000** Gary Hicok, SVP of Hardware

**Safe and Secure Autonomous Vehicle Development with NVIDIA DRIVE OS**

**SE8001** Harsha Velugoti, Software Engineer

**NVIDIA DRIVE Sim on Omniverse**

**SE8002** Matthew Cragun, Senior Product Manager

**Building Synthetic Datasets for Perception with NVIDIA DRIVE Sim**

**SE8003** Gautham Sholingari, Product Manager  
Hai Loc Lu, Lead Systems Software Engineer

**NVIDIA DRIVE Infra for AV Development and Testing**

**SE8004** Norm Marks, Global Head, Automotive Enterprise

**Developing Services for NVIDIA DRIVE Concierge**

**SE8005** Aparna Rangarajan, Product Manager

**Taking NVIDIA DRIVE Chauffeur on the Road**

**SE8006** Carmen Maxim, Product Manager  
Chongyu Wang, Product Manager

**NVIDIA Map: An Open Mapping Platform**

**SE8007** Birgit Henke, Engineering Manager  
Ivana Stojanovic, Senior Engineer

## AI INFRASTRUCTURE

**Adithya Rang, Senior Program Manager, Microsoft**  
**Kunal Vasavada, Senior Director of Platform Engineering & Solutions, Akridata**

**S41319** Accelerate Autonomous Vehicle Development with NVIDIA DRIVE on Microsoft Azure

**Stefano Marzani, Worldwide Tech Leader, Autonomous Driving, AWS**

**S42511** Accelerate Innovation in Autonomous Vehicle Systems with Amazon EC2 G5g Instances (Presented by Amazon Web Services)

**Tugrul Ince, Engineering Manager, Cruise**

**S42095** Model Development and Deployment with NVIDIA TensorRT for Autonomous Vehicles at Scale

**Sambhav Jain, Staff Machine Learning Engineer, Cruise**

**S42096** Systematic Deep Learning Optimizations for Accurate and Efficient TensorRT Deployments on Cruise's Self-Driving Fleet

**Chee How Lim, CEO, Tapway**

**S41619** Automate Toll Payment and Minimize Fraudulent Toll Transactions with Intelligent Video Analytics

**Sina Mohseni, Senior Systems Software Engineer, NVIDIA**  
**Jose Manuel Alvarez Lopez, Senior Manager of Research, NVIDIA**

**S41121** Developing Robust Perception Systems in the Open World

**Jeffrey Pyke, Software Engineer, Machine Learning Infrastructure, Zoox**  
**Dheeraj Peri, Deep Learning Software Engineer, NVIDIA**

**S42143** Utilizing NVIDIA TensorRT for Real-Time Inference on Autonomous Vehicles

**Dheeraj Peri, Deep Learning Software Engineer, NVIDIA**  
**Gwen Cunha Sergio, Senior Deep Learning Software Engineer, NVIDIA**

**S41440** Toward INT8 Inference: An End-to-end Workflow for Deploying Quantization-Aware Trained Networks Using TensorRT

**Le An, Senior Deep Learning Software Engineer – Autonomous Vehicles, NVIDIA**  
**John Yang, Deep Learning Software Engineer, NVIDIA**

**S41429** Efficient Deployment of Transformer for Vision Tasks with TensorRT

## DESIGN AND MANUFACTURING

**Jan Wurster, Solution and Technology Expert, ESI Group**  
**Steven Horton, Group Manager Vehicle Strategy, Volvo Group Trucks Technology**

**S41539** The Journey to Collaborative Virtual Workspaces: PopUp-XR at Volvo Group

**Saumil Singh, Manufacturing Lead for North America, Quantiphi**

**S41649** Enhance Your Quality Inspection Process with Visual Inspection AI — Engine Defect Detection

**Joseph Orselli, Applications Engineer, Hexagon**

**S41226** Sounds Good! Affordable Acoustic Simulation for Vehicle Design with GPU Acceleration

**Zouya Zarei, Product Owner, Maya HTT**

**S41284** From Many Days to Mere Hours: How the GPU Fundamentally Changes Headlamp Design Cycles

**Jordane Richter, Chief Marketing and Sales Officer Light And Shadows**

**S42369** Create a New Retail Experience with a Real-Time 3D Interactive Configurator with Streaming Vendor Interactions

**Christian Zilliken, CG Supervisor, Mackevision**

**S41818** Porsche Panamera Dressed in Full Global Illumination