

# AUTOMOTIVE AT GTC NOW ON-DEMAND



**NVIDIA**  
**GTC**  
NOV 2021

The premiere event for breakthroughs in AI, robotics, automotive, data center, healthcare and more.

**40**  
AUTOMOTIVE TALKS

**500**  
TOTAL SESSIONS

**600**  
SPEAKERS

Automotive topics include autonomous driving, simulation, robotaxis, trucking, and more now available at **NVIDIA On-Demand**.



## GTC KEYNOTE BY NVIDIA FOUNDER AND CEO JENSEN HUANG

Experience the cutting edge in AI during the GTC opening keynote. No registration required. Keynote live broadcast is on November 9.

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KEYNOTE >](#)

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## AV TRENDS

**Locomotion, Kodiak Robotics, Embark Trucks, Fernride, NVIDIA**

**A31146** How Autonomous Trucks are Changing Logistics for the Long Haul

**Luca De Ambroggi, Chief Analyst, Wards Auto - Informa**

**A31460** Automotive Software and Hardware Architecture: Innovation and Disruption Beyond the Car's Chassis

**Sam Abuelsamid, Principal Analyst, Guidehouse Insights**

**A31523** From Automated Driving to ADAS: Leveraging the Technology for the Masses

**Shyam Kumar, Global Business Development Lead, HPC & Autonomous Vehicles, AWS**

**Norm Marks, Global Lead, Automotive Enterprise**

**A31227** Cloud Strategies to Accelerate Autonomous Vehicle Development and Validation

**Jim Cherian, Senior Research Fellow, CETRAN**

**A31499** Making Sense of Behavioral Scenarios for Validation of Autonomous Vehicle Safety

## FEATURED AV SESSIONS



**Nils Jaeger, President, Volvo Autonomous Solutions, Volvo Group**

**A31293** Off-road and On-road: Building Industrial Autonomous Solutions and New Business Models



**Clement Farabet, VP of AI Infrastructure, NVIDIA**

**SE31473** Scaling ML Ops for AV Development



**Ödgård Andersson, CEO, Zenseact**

**A31566** Accelerating the Path to Zero Collisions



**Paul Newman, Founder & CTO, Oxbotica**

**A31543** Hard Miles Without Hard Miles



**Axel Gern, CTO Autonomous Technology Group, Daimler Trucks**

**A31408** Developing Software-Defined Trucks for an Autonomous Future



**Guillaume Binet, VP of Software Infrastructure, Motional**

**A31632** Fireside Chat: Software Platforms for Future Generations of Autonomous Vehicles



**Anurag Ganguli, VP of R&D, Plus**

**A31539** Road to Mass Deployment



**Sean Harrington, CEO, Optimus Ride**

**A31525** Harnessing Autonomous Technology to Shape Community Transportation

## DRIVE DEVELOPER DAY

### Scaling ML Ops for AV Development

**SE31473** Clement Farabet, VP of AI Infrastructure & Nicolas Koumchatzky, Senior Director of AI Infrastructure

### High-Definition, Scalable Mapping for Autonomous Vehicles

**SE31477** Rambo Jacoby, Principal Product Manager

### Leveraging DRIVE Hyperion for AV Development

**SE31470** Mark Fertelmeister, Manager of Product Management

### NVIDIA DRIVE SDK: The Foundation of AV Development

**SE31471** Varun Murthy, Solutions Architect

### Optimizing Deep Neural Networks for NVIDIA DRIVE

**SE31472** Fabian Weise, Senior Solution Architect

### Developing Automated Parking Technologies

**SE31475** Atousa Torabi, Product Manager for Robotics and Parking

### Automating AV Verification and Validation

**SE31478** Justyna Zander, Global Head of Verification and Validation & Ahmed Nassar, Head AV Verification and Validation Architect

### Developing and Testing Autonomous Vehicles at Scale

**SE31479** Norm Marks, Global Lead, Automotive Enterprise & Rambo Jacoby, Principal Product Manager

## SIMULATION

**Matthew Cragun, Sr. Product Manager, NVIDIA**

**A31491** NVIDIA DRIVE Sim on Omniverse

**Roy Fridman, VP Business Development, Foretellix**

**A31442** ADAS and AV Safety - Dealing with an Infinite Test Space

**David Hoeller, Deep Learning R&D Engineer, NVIDIA**

**A31308** Learning Sim-to-real Locomotion and Navigation Using NVIDIA's Omniverse

**Ross Krambergar, Digital Solutions, BMW Group**

**A31325** BMW and Omniverse for Production

**Sebastian Schwarz, General Manager, NetAllied Systems**

**A31571** Exposing Omniverse Features Like PhysX 5, RTX, Collaboration, and AI for Existing Manufacturing Applications

## AV PERCEPTION

**Amir Day, Director of Computer Vision, Innoviz Technologies**

**Mark Kolodkin, Senior SW Infrastructure Engineer, Innoviz Technologies**

**A31287** Leveraging Next-Generation Lidar on NVIDIA DRIVE

**Ian Podkamien, VP and Head of Automotive, Vayyar Imaging**

**A31314** Overcoming AV Challenges with AI-based 4D Imaging Radar

**David Lempert, VP R&D, Foresight Automotive**

**A31347** Obstacle Detection Using Stereoscopic Vision Systems on NVIDIA DRIVE

**Ronny Cohen, Senior Director Perception, LeddarTech**

**A31351** Using Raw Fusion for ADAS/AV Perception

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## AI INFRASTRUCTURE

**Amit Badlani, Senior Product Manager, NVIDIA**

**A31459** NVIDIA Orin Platform: Modular and Scalable Architecture for High-Performance AI Compute

**Dr. Sinda Ben Salem, Sr. Product Lead, InstaDeep**

**A31103** Resolving Complex Decision-making Problems with GPU-accelerated Reinforcement Learning

**Minh Hoai, Head of Applied Perception Group, VinAI Research**

**A31333** Progressive Semantic Segmentation

**Johan Barthelemy, University of Wollongong**

**A31401** Building Safer Public Transportation with AI-based Video Analytics

**Ha Cao Thanh, Head of AI Department, VNPT**

**A31423** How Vietnam is Tackling Traffic Congestion with NVIDIA GPUs and Deepstream SDK

**Marco Pavone, Director of AV Research, NVIDIA**

**A31508** On the Road to Widespread Autonomy

**Mauricio Castillo-Effen, Senior Research Engineer, Lockheed Martin**

**A31636** The Path Toward Trustworthy AI and Autonomy

## VISUALIZATION

**David Randle, Principal Go-To-Market Specialist, AWS, Lukas Fäth, Senior Product Manager, Autodesk**

**A31267** VR Anywhere: Streaming Autodesk VRED from AWS Cloud

**Daniel Seidl, Founder and CEO, Innoactive**

**A31310** Automotive inspection training revolutionized: Streaming PC VR via Azure Cloud to standalone VR with one click

**Daniel Seidl, Founder and CEO, Innoactive**

**A31324** Scaling VW training with NVIDIA CloudXR