

B302 - Trucking Automation: Delivering Freight on Automated Trucks Today



Robert Brown
TuSimple

Mr. Brown is responsible for the federal, state, and local public and government relations for TuSimple. Working with legislators and regulators on best practices for safety, commercial viability, and policies. He works on building coalitions of industry, OEMs, Tier 1 providers, associations, and academics in the autonomous vehicle industry. Prior to TuSimple, he worked for the state of California, was Vice President at the Mitchell Firm, taught at Oxford University and University of California, San Diego



Kirk Claussen
USDOT

Kirk Claussen serves in the Maritime Administration's Office of Ports & Waterways as a port finance agent and leads port innovation activities. He provides guidance to ports on infrastructure investment and leads the intelligent transportation systems program, focusing on increasing cargo capacity and the reliability of freight moving through ports.



Daniel Goff
Kodiak Robotics

Daniel Goff is Head of Policy at Kodiak Robotics. In his role, Daniel focuses on building Kodiak's relationships with key federal and state policymakers, manages Kodiak's external communications, and leads Kodiak's work with the United States Air Force. Daniel joined Kodiak after spending almost four years as a Managing Director at Tusk Strategies, a boutique consulting firm that advises technology startups on media and policy issues. Daniel earned his MBA from the University of Chicago Booth School of Business, and his Bachelor of Arts from Yale University.



Aravind Kailas
Volvo Group North America

Dr. Aravind Kailas is the Advanced Technology Policy Director at Volvo Group, where he oversees policy development, technology outreach, and public engagement strategies to further Volvo's interests in automated driving, electromobility, and connectivity. By promoting key corporate positions and creative assets in various fora, Dr. Kailas has been instrumental in enhancing Volvo's technology thought leadership. Dr. Kailas built and managed an extensive personal network of private and public entities to strengthen organic innovation and public affairs initiatives across Volvo Group. He created a public-private partnership for assessing air quality improvements using smart traffic lights along freight corridors in Southern California. Dr. Kailas also spearheaded local stakeholder development for introducing Volvo's electromobility solutions in North America. Dr. Kailas is also a part-time Instructor at California State University Long Beach, and has previously held positions at the University of North Carolina at Charlotte, QUALCOMM, DOCOMO Innovations, and General Electric.

Author of over 100 publications and quoted in many media outlets, Dr. Kailas has served on several R&D and technology panels, and advisory boards of non-profit organizations and academic institutions. His work has been recognized with numerous accolades, including awards from the Transportation Research Board (TRB), the Society of Automotive Engineers (SAE), and the Institute of Electrical and Electronics Engineers (IEEE). He has earned degrees in Applied Mathematics and Electrical and Computer Engineering from the University of Wisconsin-Madison and Georgia Institute of Technology.



Thomas Kelly

Federal Motor Carrier Safety Administration

Tom is a Transportation Specialist within the Federal Motor Carrier Safety Administration (FMCSA) Technology Division, and is currently the Innovative Technology Deployment (ITD) Grant Program Manager for the Agency assigned to HQ in Washington DC, but works from his home in Auburn, ME. Prior to this position, he was the FMCSA State Program Manager in the NH Division Office; The Compliance Division Chief at FMCSA HQ in

Washington, DC. He was formerly with the Maine State Police from 1988-2012; Retired January 2012 as the Commanding Officer of Troop K - Commercial Vehicle Enforcement. Is a past Commercial Vehicle Safety Alliance (CVSA) International Vice President. He is a Graduate of the FBI National Academy and Educated at Andover College, Portland ME (Criminal Justice), St Joseph's College, Standish, ME, the University of Virginia, and other educational institutions. He had 28 years in law enforcement at the time of his retirement, and is a U.S. Navy Veteran.



Andrew Krum

Virginia Tech Transportation Institute

Mr. Andrew Krum is the Group Leader of the Human Factors and Advanced Systems Testing group at the Virginia Tech Transportation Institute. He has served as a researcher and development engineer for eighteen years in the field of Human Factors and Ergonomics in ground transportation. He serves as a Senior Research Associate in the Division of Freight, Transit and Heavy Vehicle Safety, and his research involves management of private and public funded projects that focus on the investigation of technologies that support commercial operators and enhance transportation safety. In his past at Navistar Inc., Krum served as a Sr. Technical Specialist in the Ergonomics and Driver Accommodation Group

providing guidance to that engineering community on the needs of the drivers and crew on North American, Global, and Military projects spanning Heavy through Light Commercial Vehicle development and testing. Currently, he is managing projects for FMCSA, FTA, NHTSA, NAS and NIOSH investigating advancements in vehicle technologies to support drivers and occupants, testing protocols, design guidelines, maintenance requirements and automated driving system technologies.



Xiao-Yun Lu

UC Berkeley PATH

Dr. Xiao-Yun Lu (<https://path.berkeley.edu/xiao-yun-lu>) is a Research Engineer at California PATH, U. C. Berkeley and affiliated Scientist at Lawrence Berkeley National Laboratory. He is the PI of this project. He got BSc. in Mathematics from Sichuan University, China (1982), MSc. in Applied Mathematics from the Institute of Systems Science, Chinese Academy of Sciences (1985), and Ph. D. in Systems and Control from University of Manchester, UK (1994). He worked as a Research Associate in University of Leicester UK (1994-1999) and joined PATH in 1999. He has 38 total years of experience in

systems modeling, control and optimization and 21 years of specialized expertise in: vehicle system modeling, longitudinal control design and implementation; vehicle active safety; traffic systems detection, modeling, control design, micro/macro simulation, and real-time implementation. His significant accomplishments include: control design, simulation, implementation and field test passenger car and truck platooning; automated vehicle merging; integrated ACC (Adaptive Cruise Control) and CACC (Cooperative ACC) design with string stability analysis; multi-vehicle longitudinal collision avoidance and impact mitigation with V2V; active control to prevent truck rollover; and integrated optimal control of truck braking system (engine brake, transmission retarder, and pneumatic brake). He is a member of TRB Committee on Vehicle and Highway Automation (ACP30), former member of ABJ35 (Traffic Monitoring) and ATM (Active Traffic Management) Subcommittee; reviewer of Mathematical Review.



Jan Michaelsen

FPIInnovations

Jan has more than 35 years of service for FPIInnovations in transportation and energy efficiency related work. He earned a Bachelor of Science in Forestry from UNB in 1982. Membre of the Ordre des Ingénieurs Forestiers du Québec. He has been a research advisor for the Transportation and Infrastructure Group since 2018. He works in concert with a group of 22 researchers and technicians who work towards improving transport operational and energy efficiency, road construction and maintenance, trucking safety, and maintenance practices in both on road trucking and forest operations. His experience

covers many areas including transport system optimization, energy efficiency of transport and off-road operations, driver training, load securement, log trailer design, truck specifications, and off-highway trucking. He is the interim project leader for the resource road platooning initiative and the leader of the PIT Group program.



Hyungjun Park

U.S. DOT - Federal Highway Administration (FHWA)

Hyungjun Park is a technical program manager of the CARMA Freight program in FHWA of U.S. DOT. He manages various Cooperative Driving Automation related research, focusing on commercial motor vehicles and freight. He earned a B.S. in city planning from Hanyang University in South Korea, and an M.S. and a Ph.D. in civil engineering from the University of Virginia.



John Verdon

Waymo

John Verdon is the Trucking Lead for Business Development & Partnerships at Waymo, an autonomous driving technology company with a mission to make it safe and easy for people and things to get where they're going. In his role, John leads and executes business development and partnerships strategy for Waymo Via trucking. Prior to Waymo, John was the Head of Partnerships at KeepTruckin, where he led a team of BD, partner management, sales and operations professionals responsible for executing, scaling, and successfully

managing strategic business agreements with Fortune 500 companies. Before that, he spent a decade in financial services, including BD, risk consulting, and government bond trading. An experienced business development

professional and team builder, John is focused on accelerating innovation and growth via strategic partnerships, and his major strengths include building partner ecosystems (including ISV, OEM, VAR and Retail), identifying joint product solutions, and defining strategy. He also has extensive relationships within, and deep knowledge of, the transportation and logistics segment. John holds a BSc in Economics from the London School of Economics and Political Science.