

Dr.-Ing. Andreas Christian Reschka, PhD, MSc, BSc - Silicon Valley, USA

I am an ardent autonomous vehicle enthusiast and lifelong learner with over 15 years of experience in the field of autonomous vehicle safety and business strategy. I am credited with leading multiple successful autonomous vehicle deployments in Germany, having authored or co-authored over 30 publications and holding 14 patents, with my work receiving over ~3,000 citations on autonomous vehicle safety topics. I am highly organized, intellectually curious, exceptionally knowledgeable, and passionately dedicated to all aspects of autonomous vehicles, automotive technology, and robotics. I am eager to apply my extensive experience to the right project, collaborating with the right team to achieve impactful results. I am a proponent of challenging existing concepts and employing data-driven approaches to make solid, data-backed decisions regarding the safety and performance of autonomous systems.

HIGHLIGHTS

- Track record of worldwide recognized achievements in autonomous vehicle research and development, including first SAE L4 testing in Germany and Europe 2010, first driverless truck on a German Autobahn 2016, and evolution of safety concepts for autonomous vehicles that are now industry standard.
- Engineer, manager and business leader with both extensive education and professional experience in Europe and the USA.
- Experienced manager of international, diverse teams, spanning Asia, USA, and Europe.

EXPERIENCE

07/2022 – today at Pony.ai, Sr. Director Product, Systems, Safety

- Product lead for AV deployments in the USA and Europe
- Technical lead for Systems Engineering (Requirements, Processes, Verification & Validation)
- Technical lead for safety case (SOTIF, Functional Safety, Cybersecurity)
- Operational Safety Lead
- Part of the team that secured a \$100 million investment from Neom and opened Pony.ai's Luxembourg site
- Direct report to the CEO and co-founder of Pony.ai, Dr. James Peng

05/2021 – 07/2022 at DiDi Research America Inc., Autonomous Driving Systems and Safety Engineer

- Technical lead for driverless safety case (SOTIF, ISO 21448 and Functional Safety, ISO 26262) for current and future milestones including mass production
- Identification and establishment of criteria for co-pilot and driverless release
- Technical lead for verification and validation for driverless milestones
- Technical lead for driving metrics development based on driving data and simulation
- System design lead for functional architectures for DiDi's autonomous driving system

09/2018 – 05/2021 at Zoox Labs Inc., Senior Systems and Validation Engineer

- Technical lead for safety argumentation/ safety case including safety of the autonomous driving function (SOTIF, ISO 21448) and functional safety for systems/ items and hardware and software components (ISO 26262) for past, current, and future milestones
- Definition of safety targets and criteria which set the bar for driverless deployment
- Lead of first semi-public road testing of Zoox's purpose-built vehicle
- Go-To person for all safety related topics
- System design of functional, hardware, and software architectures for redundant driving functions
- Advanced verification and validation approaches using data analysis and large scale scenario generation
- Part of the task force to develop Zoox's safety roadmap for the purpose-built vehicle
- Direct report to company's CTO and co-founder, Dr. Jesse Levinson

07/2017 – 09/2018 at Zoox Labs Inc., Systems and Functional Safety Engineer

- First Systems Engineer in Zoox's System Design and Mission Assurance Team
- Safety roadmap to remove the safety driver for Zoox's autonomy stack and the vehicle platform
- Foundation for Functional Safety and SOTIF

11/2016 – 04/2017 at Stanford University, Stanford Intelligent Systems Lab (Prof. Mykel Kochenderfer)

- Visiting PhD Student
- Decision making under uncertainty for autonomous vehicles
- Ethical considerations in autonomous driving

04/2014 – 07/2017 at Technical University of Braunschweig, Institute of Control Engineering (Prof. Markus Maurer)

- Graduate Research assistant
- Institute management and teaching (budget, human resources, equipment, student thesis adviser, seminars)
- Research topics: Safe behavior and functional safety for autonomous vehicles in several projects
- Research projects: Stadtpilot (first autonomous testing in German urban area), aFAS (first L4 operation of unmanned vehicle on German Autobahn, and PEGASUS (largest research project on AV verification and validation in Germany in 2016)

10/2013 – 03/2014 at Daimler and Benz Foundation, Expert in the project Villa Ladenburg “Autonomous Driving”

- Research topic: Safety concepts for autonomous vehicles
- Research and book chapter in the Springer book “Autonomous Driving” regarding safety concepts

07/2009 – 07/2017 at Technical University of Braunschweig, Part of the Stadtpilot project team

- Developed safety concept for operation in public traffic for multiple research vehicles
- Implementation of driver take over software
- Developed functional system architecture for driving system and managed roadmap for development of software
- Led project with more than 25 team members (undergraduate and graduate students) from 2013 as co-lead and from 2015 as lead

10/2008 – 09/2013 at University of Hildesheim, Research assistant at Institute of Technology (Prof. Böhmer)

- Institute management and teaching (budget, human resources, equipment, lectures, exercises, seminars)
- Research topics: Autonomous driving and professional teacher education in technology subjects

INDUSTRY ASSOCIATIONS

Round Table Automated Driving, German BASt (NHTSA equivalent)

- Industry representative in the working group “Safety and Risk”

SAE ISO working groups; Member of

- TC 22 SC 32 WG 8 US - Functional safety
- TC 22 SC 32 WG 13 US - Safety for driving automation systems
- TC 22 SC 32 WG 14 US - Safety and Artificial Intelligence

EDUCATION

2021 - 2023 Continuing Studies

- Stanford University Graduate School of Business: Stanford LEAD program; graduated 2023
- Udacity: Nanodegree in AI for trading; graduated 2022
- Coursera: Achieving Personal and Professional Specialization by Wharton School of the University of Pennsylvania; graduated 2022
- Coursera: Machine Learning by Stanford University, graduated 2022

04/2014 – 05/2017 at Technical University of Braunschweig, PhD in Electrical Engineering

Final grade: 1.0 (German grading system, lower is better, range 1.0 to 4.0)

PhD thesis topic: Skills and ability graphs as foundation for safe operation of automated vehicles in urban environments

10/2006 – 09/2008 at University of Hildesheim, Master of Science in Information Technology

Final grade: 1.4

10/2002 – 03/2006 at Technical University of Freiberg, Bachelor of Science in Network Computing

Final grade: 2.6

SCIENTIFIC PUBLICATIONS

- [01] RESCHKA, Andreas; BAGSCHIK, Gerrit; MAURER, Markus: Towards a System-wide safety concept for automated road vehicles. In: WINNER, Hermann (Ed.); PROKOP, Günther (Ed.); MAURER, Markus (Ed.): Automotive Systems Engineering. Springer Vieweg, 2018.
- [02] SCHULDT, Fabian, RESCHKA, Andreas; MAURER, Markus: A Method for an Efficient, Systematic Test Case Generation for Advanced Driver Assistance Systems in Virtual Environments. In: WINNER, Hermann (Ed.); PROKOP, Günther (Ed.); MAURER, Markus (Ed.): Automotive Systems Engineering. Springer Vieweg, 2018.
- [03] RESCHKA, Andreas: Fertigkeiten- und Fähigkeitengraphen als Grundlage des sicheren Betriebs von automatisierten Fahrzeugen im öffentlichen Straßenverkehr in städtischer Umgebung. PhD dissertation, Technische Universität Braunschweig, 2017. - submitted
- [04] ULBRICH, Simon; RESCHKA, Andreas; MAURER, Markus: Towards Value-Oriented Behavior Planning. In: IEEE Transactions on Intelligent Transportation Systems XX (2017), No. X. – submitted for review
- [05] MENZEL, Till; BAGSCHIK, Gerrit; RESCHKA, Andreas; MAURER, Markus: Scenarios for Development, Test and Validation of Automated Vehicles. In: 2017 IEEE International Annual Conference on Intelligent Transportation Systems (ITSC). Yokohama, Japan : IEEE, 2017.
- [06] STOLTE, Torben; BAGSCHIK, Gerrit; RESCHKA, Andreas; MAURER, Markus: Hazard Analysis and Risk Assessment for an Automated Unmanned Protective Vehicle. In: 2017 IEEE Intelligent Vehicles Symposium (IV). Redondo Beach, USA : IEEE, 2017.
- [07] RESCHKA, Andreas; ERNST, Susanne; ULBRICH, Simon; MAURER, Markus: Identification of Ethical Value Dimensions and Constraints in a Functional System Architecture for Autonomous Road Vehicles. In: 2017 IEEE International Annual Conference on Intelligent Transportation Systems (ITSC). Yokohama, Japan : IEEE, 2017.

- [08] ULBRICH, Simon; RESCHKA, Andreas; RIEKEN, Jens; ERNST, Susanne; BAGSCHIK, Gerrit; DIERKES, Frank; NOLTE, Marcus; MAURER, Markus: Towards a Functional System Architecture for Automated Vehicles. In: IEEE Transactions on Intelligent Transportation Systems XX (2017), No. X. <https://arxiv.org/abs/1703.08557>. – submitted for review
- [09] BAGSCHIK, Gerrit; MENZEL, Till; RESCHKA, Andreas; MAURER, Markus: Szenarien für Entwicklung, Absicherung und Test von automatisierten Fahrzeugen. In: Workshop Fahrerassistenzsysteme. Walting, Germany : Uni-DAS e.V., 2017, 125-135. http://www.uni-das.de/images/pdf/fas-workshop/2017/FAS2017_Tagungsband.pdf
- [10] MAURER, Markus (Ed.); RESCHKA, Andreas (Ed.): Elektronische Fahrzeugsysteme 2016, Jahresbericht: Akademisches Jahr 2015/2016. Braunschweig, Germany, 2016
- [11] BAGSCHIK, Gerrit; RESCHKA, Andreas; STOLTE, Torben; MAURER, Markus: Identification of Potential Hazardous Events for an Unmanned Protective Vehicle. In: 2016 IEEE Intelligent Vehicles Symposium (IV). Gothenburg, Sweden : IEEE, 2016, 691-697. <http://ieeexplore.ieee.org/document/7535462/>
- [12] RESCHKA, Andreas: Safety Concept for autonomous vehicles. Version: 2016. <https://www.springer.com/de/book/9783662488454>. In: MAURER, Markus (Ed.); GERDES, Chris (Ed.); LENZ, Barbara (Ed.); WINNER, Hermann (Ed.): Autonomous Driving - Technical, Legal and Social Aspects. Springer-Verlag Berlin Heidelberg, 2016, 473-496. <https://www.springer.com/de/book/9783662488454>
- [13] MAURER, Markus (Ed.); RESCHKA, Andreas (Ed.): Elektronische Fahrzeugsysteme 2015, Jahresbericht: Akademisches Jahr 2014/2015. Braunschweig, Germany, 2015
- [14] LEMMER, Karsten; WISSELMANN, Dirk; FILZEK, Björn; TRAN, Chung A.; KAMPKER, Achim; FISCHER, Martin; HESSE, Tobias; SCHARTE, Benjamin; THOMA, Klaus; DAMM, Werner; KNAPP, Steffen; FRIEDRICH, Bernhard; MAURER, Markus; MEYER, Gereon; SCHNIEDER, Eckehard; NEUMANN, Gerd; VIEWEG, Klaus; NIERMANN, Philipp; SCHWARZ, Thomas; RICHTER, Petra; BRACKLO, Claas; LOHMEIER, Michael; RIEMER, Stephan Pfeiffer Gerrit J.; SWIERZY, Anne; KUHLE, Henry; SCHEPMANN, Jan; RESCHKA, Andreas; BROY, Manfred; BÜLTMANN, Michael; PÜSCHNER, Michael; SALOMON, Susanne; BIRKNER, Martin; FASTENRATH, Bernd; GÜTZLAFF, Markus; SCHULZ, Stefan; HELMOLT, Rittmar von; ZINNE, Olaf; JAGT, Pim van d.; SCHÄFER, Jochen; GOLDHAMMER, Dana; SMETHURST, Graham: acatech POSITION Neue autoMobilität - Automatisierter Straßenverkehr der Zukunft. Version: 2015. http://www.acatech.de/fileadmin/user_upload/Baumstruktur_nach_Website/Acatech/root/de/Publikationen/Stellungennahmen/NaM_acatech_POSITION_Neue_autoMobilitaet_Web.pdf. acatech, 2015. – Research report
- [15] GASSER, Tom M.; SCHMIDT, Eike; BENGLER, Klaus; CHIELLINO, Ulrich; DIEDERICH, Frederik; ECKSTEIN, Lutz; FLEMISCH, Frank; FRAEDRICH, Eva; FUCHS, Erich; GUSTKE, Marko; HOYERAND, Robert; HÜTTINGER, Michael; JIPP, Meike; KÖSTER, Frank; KÜHN, Matthias; LENZ, Barbara; LOTZ-KEENS, Christine; MAURER, Markus; MEURER, Michael; MEURESCH, Siegfried; MÜLLER, Nina; REITTER, Christian; RESCHKA, Andreas; RIEGELHUTH, Gerd; RITTER, Jan; SIEDERSBERGER, Karl-Heinz; STANKOWITZ, Welf; TRIMPOP, Rüdiger; ZEEB, Eberhard: Report on the Need for Research - Round Table Automated Driving - Research Working Group / Bundesanstalt für Straßenwesen. Version: 2015. Bergisch-Gladbach, Germany, 2015. – Research report

- [16] GASSER, Tom M.; SCHMIDT, Eike; BENGLER, Klaus; CHIELLINO, Ulrich; DIEDERICH, Frederik; ECKSTEIN, Lutz; FLEMISCH, Frank; FRAEDRICH, Eva; FUCHS, Erich; GUSTKE, Marko; HOYERAND, Robert; HÜTTINGER, Michael; JIPP, Meike; KÖSTER, Frank; KÜHN, Matthias; LENZ, Barbara; LOTZ-KEENS, Christine; MAURER, Markus; MEURER, Michael; MEURESCH, Siegfried; MÜLLER, Nina; REITTER, Christian; RESCHKA, Andreas; RIEGELHUTH, Gerd; RITTER, Jan; SIEDERSBERGER, Karl-Heinz; STANKOWITZ, Welf; TRIMPOP, Rüdiger; ZEEB, Eberhard: Bericht zum Forschungsbedarf - Runder Tisch Automatisiertes Fahren - AG Forschung / Bundesanstalt für Straßenwesen. Version: 2015. Bergisch-Gladbach, Germany, 2015. – Research report
- [17] ULBRICH, Simon; MENZEL, Till; RESCHKA, Andreas; SCHULDT, Fabian; MAURER, Markus: Defining and Substantiating the Terms Scene, Situation and Scenario for Automated Driving. In: 2015 IEEE International Annual Conference on Intelligent Transportation Systems (ITSC). Las Palmas, Spain : IEEE, 2015, 982-988.
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- [19] RESCHKA, Andreas; MAURER, Markus: Conditions for a safe state of automated road vehicles. In: it - information technology 57 (2015), No. 4, 215-222.
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- [21] RESCHKA, Andreas; BAGSCHIK, Gerrit; ULBRICH, Simon; NOLTE, Marcus; MAURER, Markus: Ability and skill graphs for system modeling, online monitoring, and decision support for vehicle guidance systems. In: 2015 IEEE Intelligent Vehicles Symposium (IV). Seoul, Korea : IEEE, 2015, 933-939.
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- [24] MATTHAEI, Richard; RESCHKA, Andreas; RIEKEN, Jens; DIERKES, Frank; ULBRICH, Simon; WINKLE, Thomas; MAURER, Markus: Autonomous Driving. Version: 2015.
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- [25] RESCHKA, Andreas; RIEKEN, Jens; MAURER, Markus: Entwicklungsprozess von Kollisionsschutzsystemen für Frontkollisionen: Systeme zur Warnung, zur Unfallschwereminderung und zur Verhinderung. Version: 2015. http://link.springer.com/chapter/10.1007/978-3-658-05734-3_48. In: WINNER, Hermann (Ed.); HAKULI, Stephan (Ed.); LOTZ, Felix (Ed.); SINGER, Christine (Ed.): Handbuch Fahrerassistenzsysteme. ATZ/MTZ-Fachbuch, 2015, 913-935.
- [26] MATTHAEI, Richard; RESCHKA, Andreas; RIEKEN, Jens; DIERKES, Frank; ULBRICH, Simon; WINKLE, Thomas; MAURER, Markus: Autonomes Fahren. Version: 2015. In: WINNER, Hermann (Ed.); HAKULI, Stephan (Ed.); LOTZ, Felix (Ed.); SINGER, Christine (Ed.): Handbuch Fahrerassistenzsysteme. Springer Vieweg, 2015, 1139-1165.
- [27] STOLTE, Torben; BAGSCHIK, Gerrit; RESCHKA, Andreas; MAURER, Markus: Automatisches fahrerloses fahrendes Absicherungsfahrzeug für Arbeitsstellen auf Autobahnen (aFAS). In: AAET - Automatisierungssysteme, Assistenzsysteme und eingebettete Systeme für Transportmittel. Braunschweig, Germany : ITS automotive nord, 2015, <http://www.its-nds.de/pages/de/veranstaltungen/aaet-index/archiv/aaet-2015/programm.php>
- [28] MATTHAEI, Richard; RESCHKA, Andreas; BAGSCHIK, Gerrit; ESCHER, Martin; MENZEL, Till; RIEKEN, Jens; SCHEIDE, Tobias; SCHULDT, Fabian; ULBRICH, Simon; WENDLER, Jan T.; HECKER, Peter; MAURER, Markus: Das Projekt Stadtpilot - Automatisiertes Fahren an der TU Braunschweig. In: Zeitschrift für die gesamte Wertschöpfungskette Automobilwirtschaft 01/2015 (2015), No. 1, S. 12–23
- [29] RESCHKA, Andreas; NOLTE, Marcus; STOLTE, Torben; SCHLATOW, Johannes; ERNST, Rolf; MAURER, Markus: Specifying a middleware for distributed embedded vehicle control systems. In: 2014 IEEE International Conference on Vehicular Electronics and Safety (ICVES). Hyderabad, India : IEEE, 2014, 117-122. <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=7063734>
- [30] MAURER, Markus (Ed.); MATTHAEI, Richard (Ed.); RESCHKA, Andreas (Ed.): Elektronische Fahrzeugsysteme 2014, Jahresbericht: Akademisches Jahr 2013/2014. Braunschweig, Germany, 2014 https://www.ifr.ing.tu-bs.de/de/ag-elektronische-fahrzeugsysteme/forschung/veroeffentlichungen_2/ag_2/
- [31] RESCHKA, Andreas; BÖHMER, Jürgen R.; NOTHDURFT, Tobias; HECKER, Peter; LICHTHE, Bernd; MAURER, Markus: A Surveillance and Safety System based on Performance Criteria and Functional Degradation for an Autonomous Vehicle. In: 2012 IEEE International Annual Conference on Intelligent Transportation Systems (ITSC). Anchorage, AK, USA : IEEE, 2012, 237-242. <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6338682>
- [32] RESCHKA, Andreas; BÖHMER, Jürgen R.; SAUST, Falko; LICHTHE, Bernd; MAURER, Markus: Safe, Dynamic and Comfortable Longitudinal Control for an Autonomous Vehicle. In: 2012 IEEE Intelligent Vehicles Symposium (IV). Alcalá des Henares, Spain : IEEE, 2012, 346-351. <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6232159>
- [33] RESCHKA, Andreas; BÖHMER, Jürgen R.; GAČNIK, Jan; KÖSTER, Frank; WILLE, Jörn M.; MAURER, Markus: Development of Software for Open Autonomous Automotive Systems in the Stadtpilot-Project. In: 8th International Workshop on Intelligent Transportation (WIT 2011). Hamburg, Germany, 2011, 81-86. <http://hildok.bsz-bw.de/frontdoor/index/index/docId/130>
- [34] NOTHDURFT, Tobias; HECKER, Peter; OHL, Sebastian; SAUST, Falko; MAURER, Markus; RESCHKA, Andreas; BÖHMER, Jürgen R.: Stadtpilot: First fully autonomous test drives in urban traffic. In: 2011 IEEE International Annual Conference on Intelligent Transportation Systems (ITSC). Washington DC, USA : IEEE, 2011, 919-924. <http://ieeexplore.ieee.org/xpl/articleDetails.jsp?arnumber=6082883>

PATENTS

- [1] KING, Andrew L.; KLING, Ralph M.; LIU, Yu; RESCHKA, Andreas C.; SOMERS, Robert E.; WANG, Chuang: Perception Collision Avoidance. US Patent 11,124,185, 2021.
- [2] RESCHKA, Andreas C.; MACGREGOR, Collin: Extension of Autonomous Driving Functionality to New Regions. US Patent 11,181,922, 2021.
- [3] OLSON, Sy K.; MACGREGOR, Collin; PACKER, Jeffrey B.; RESCHKA, Andreas C.: System and Method for Trajectory Validation. US Patent 11,407,409, 2022.
- [4] FUNKE, Joseph; OLSON, Sy K.; MACGREGOR, Collin; RESCHKA, Andreas C.: Modifying Limits on Vehicle Dynamics for Trajectories. US Patent 11,914,368, 2024.
- [5] BAGSCHIK, Gerrit; CREGO, Andrew S.; DEUX, Antoine G.; LYASOFF, Rodin; PHILBIN, James W. V.; WIMMERSHOFF, Marc; RESCHKA, Andreas C.; REGE, Ashutosh G.; MODALAVALASA, Sai A.: Error Modeling Framework. US Patent 11,351,995, 2022.
- [6] MODALAVALASA, Sai A.; BAGSCHIK, Gerrit; CREGO, Andrew S.; DEUX, Antoine G.; LYASOFF, Rodin; PHILBIN, James W. V.; REGE, Ashutosh G.; RESCHKA, Andreas C.; WIMMERSHOFF, Marc: Perception Error Models. US Patent 11,734,473, 2023.
- [7] BAGSCHIK, Gerrit; CREGO, Andrew S.; DEUX, Antoine G.; LYASOFF, Rodin; PHILBIN, James W. V.; WIMMERSHOFF, Marc; RESCHKA, Andreas C.; REGE, Ashutosh G.: Safety Analysis Framework. US Patent 11,625,513, 2023.
- [8] CREGO, Andrew S.; BEHBAHANI, Siavosh R.; GHASEMZADEH, Ali; MODALAVALASA, Sai A.; RESCHKA, Andreas C.; QIN, Lingqiao: Collision Monitoring Using System Data. US Patent 11,648,939, 2023.
- [9] RESCHKA, Andreas C.; GACKA, Tom B.; MACGREGOR, Collin: Methods and Systems to Assess Vehicle Capabilities. US Patent 11,809,190, 2023.
- [10] RESCHKA, Andreas C.; MACGREGOR, Collin: Systems and Methods for Testing Collision Avoidance Systems. US Patent 11,577,741, 2023.
- [11] CREGO, Andrew S.; GHASEMZADEH, Ali; MODALAVALASA, Sai A.; RESCHKA, Andreas C.; BEHBAHANI, Siavosh R.; QIN, Lingqiao: Event Detection Based on Vehicle Data. US Patent 11,590,969, 2023.
- [12] CREGO, Andrew S.; DEUX, Antoine G.; GHASEMZADEH, Ali; LYASOFF, Rodin; RESCHKA, Andreas C.: Safety Metric Prediction. US Patent 11,648,962, 2023.
- [13] CREGO, Andrew S.; GHASEMZADEH, Ali; MODALAVALASA, Sai A.; RESCHKA, Andreas C.; BEHBAHANI, Siavosh R.; QIN, Lingqiao: Collision Monitoring using statistic models. US Patent 11,697,412, 2023.
- [14] RESCHKA, Andreas C.; DUENAS ARANA, Guillermo; MACGREGOR, Collin; REY, Gonzalo J.: Simulating autonomous driving using map data and driving data. US Patent 11,814,059, 2023;
- [15] RESCHKA, Andreas C.: Simulation scenarios in vehicle safety testing. US Patent Application US20250045491A1, 2024;
- [16] WU, Zhen; RESCHKA, Andreas C.: Operational Design Domain for Maneuvering and Navigation. US Patent Application US20260116430A1, 2026

SELECTED SPEAKING ENGAGEMENTS

- [1] MOVE London 2024; Invited Presentation, London, England; 2025
- [2] MOVE Austin 2024; Keynote Panel, Austin, Texas, USA; 2024
- [3] Vehicle Electronics & Connected Services 2024; Keynote speech, Technical talk, Panel; Stockholm, Sweden; 2024
- [4] Forschung und Technologie für automatisiertes und vernetztes Fahren 2023; Keynote speech; Berlin, Germany; 2023
- [5] ADAS and AV Expo 2023; Panel on Verification and Validation; San Jose, CA, USA; 2023

MEDIA

- [1] Mobility Pioneers - Podcast - <https://www.youtube.com/watch?v=dVJCWptZVXI>; 04/13/2026
- [2] Mobility MasterClass - Webinar - <https://open.spotify.com/episode/4focSiWYG01AExzTuT6TRc>; 07/27/2025
- [3] Wie fahrerlose Autos Straßenarbeiter schützen können. Der letzte Führerscheinneuling; Mario Herger; 02/14/2017
- [4] Sicherheit bei Autonomen Fahrzeugen. Autonomes Fahren & Co; N.N.; 08/10/2016
- [5] Viele Fragezeichen um das autonome Fahren. Springer professional; Stefan Schlott; 12/08/2015
- [6] Autonome Personenwagen - Vom Automobil zum Fahrautomaten. Neue Zürcher Zeitung; Helga Rietz; 01/21/2015
- [7] Roboterauto - Leonie spricht mit der Ampel: Golem; Werner Pluta; 04/18/2011
- [8] Erstmals rollt ein Auto vollautomatisch durch die Stadt: WDR; 10/08/2010

SHORT BIOGRAPHY

Andreas is a car enthusiast and experienced AV engineer and manager. He holds Computer Science degrees and a PhD in Electrical Engineering and worked on multiple AV projects over the past 15 years, focusing on safety concepts, verification, validation, and operations of automated vehicles. Some of his achievements include developing the safety concept and safety driver takeover mechanism for the first Level 4 vehicle in a German city in 2009/2010, developing the safety concept for a truly driverless truck for the German Autobahn which sustained an audit from the German TÜV from 2014-2016 and won the IAA Innovation award in 2018, leading the system design and mission assurance from a technical perspective at Zoox Inc. from 2017 to 2021 including developing Zoox's roadmap for deploying its purpose built vehicles, and serving as technology leader of Systems and Safety Engineering at DiDi Autonomous Driving from 2021 to 2022. Andreas joined Pony.ai as Sr. Director of Safety Engineering and Operational Safety Lead in 2022 and leads Products, Systems, and Safety at Pony.ai. He led the efforts to expand Pony.ai into Europe and for multiple major partnerships.