

THE

AUTONOMOUS

ANNUAL REPORT

2021





THE | AUTONOMOUS

The Autonomous is the global community shaping the future of safe autonomous mobility. Initiated by TTTech Auto in 2019, The Autonomous is an open platform bringing together the chief executives and experts of the autonomous mobility ecosystem to align on relevant safety subjects. The Autonomous promotes an environment of inclusiveness, involving very diverse stakeholders, such as OEMs, Tier 1 and 2 suppliers, technology companies, disruptors, governments, cities, legislators, regulators, and standardization institutions in order to ensure an integrated approach to the various autonomous mobility safety challenges. The goal of The Autonomous is to generate new knowledge and technological solutions in the field of autonomous mobility.

This report outlines The Autonomous' progress during the first two years. It also provides a glimpse at our future plans to engage all stakeholders who share the same collaborative vision to join the growing ecosystem and actively solve the AV industry's biggest safety challenges.

Our aim is to provide transparency for our activities to all the Autonomous ecosystem supporters, members and contributors.



About The Autonomous

VISION

Change the way the automotive, transport and wider mobility industry solves safety challenges.

MISSION

Solve the biggest safety challenges in the autonomous mobility industry by enabling collaboration across the world.

GOALS



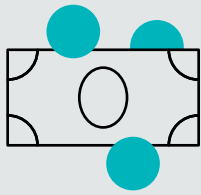
01 SAFETY

Increase the safety of autonomous vehicles



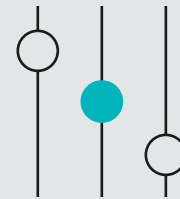
02 WISDOM

Develop better products through the wisdom of the crowd



03 COST REDUCTION

Reduce development costs and risk of wrong development



04 CONTROLLING RISKS

Decrease potential liability risk by tightly working with government and regulatory institutions

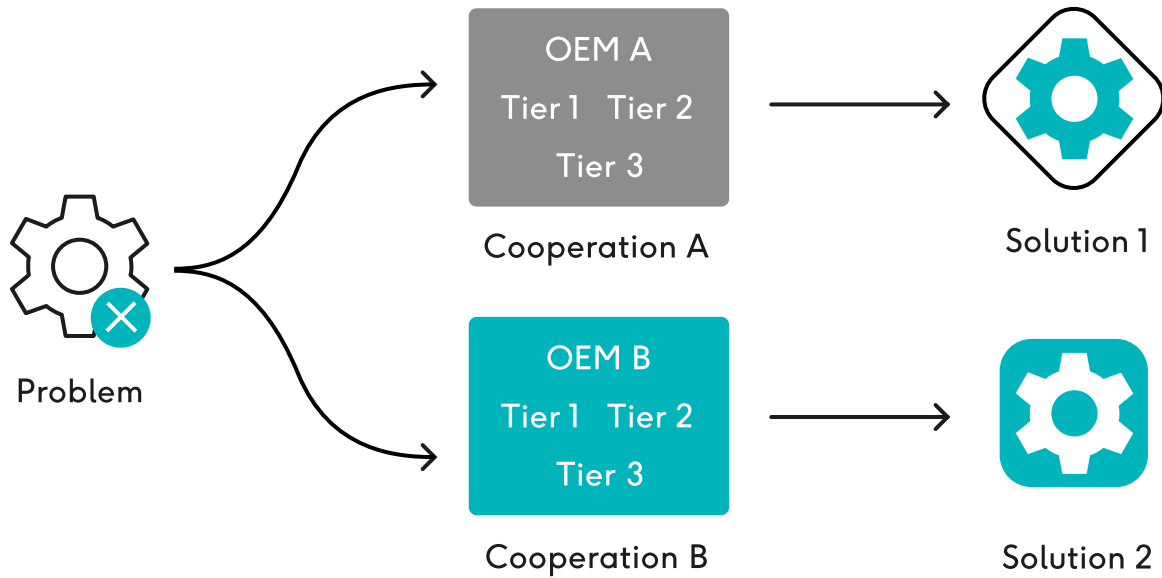


05 PEER-TO-PEER LEARNING

Accelerate the learning curve by collectively learning from individual failures and field observations

THE APPROACH

CURRENT SITUATION



PROPOSED APPROACH



THE AUTONOMOUS INITIATIVE MILESTONES

2019

THE AUTONOMOUS
KICK-OFF EVENT
@Vienna

CHAPTER EVENT
„ARCHITECTURE“
co-hosted by TTTech Auto

2020

CHAPTER EVENT „AI“
co-hosted by Five

CHAPTER EVENT
„SECURITY“
co-hosted by Infineon

CHAPTER EVENT
„SAFETY & REGULATION“
co-hosted by PSWP

2021

CHAPTER EVENT
„SENSOR FUSION“
co-hosted by Baselabs

KICK-OFF THE AUTONOMOUS
WORKING GROUP „SAFETY &
ARCHITECTURE“
10th June

THE AUTONOMOUS
MAIN EVENT
29TH SEPTEMBER
@Vienna

CHAPTER EVENT
„SAFETY & ARCHITECTURE“
co-hosted by Fraunhofer IESE
24th June

CHAPTER EVENT
„SAFETY & SENSORS“
co-hosted by LeddarTech
2nd December

Chairman's Address



RICKY HUDI

Chairman of The Autonomous

With over 30 years of experience in the automotive and technology industry, Ricky Hudi acts as Chairman of The Autonomous. Passionate about innovation and the development of autonomous driving technologies, Ricky is a true pioneer in the mobility sector. After holding various roles at BMW AG and AUDI AG he took over in January 2009 as EVP Development Electrical/Electronic AUDI AG. He also founded his own company "FMT – Future Mobility Technologies" and is leveraging a world-wide network of key players in the autonomous driving industry.

MESSAGE FROM RICKY HUDI

I could not be more excited to share The Autonomous Inaugural Report with you. What a journey it has been since we started back in 2019! The mobility industry faces a historical chance. When we initiated The Autonomous out of TTTech Auto two years ago, we were sure that the upcoming years would change our understanding of mobility. Many companies are working with vast resources on very promising technologies to make autonomous driving a reality.

But this task is highly complex and includes so far unsolved technological challenges in fields such as system architectures, artificial intelligence, data analytics, cyber security and sensor fusion, to mention a couple of them. The promise of driverless technology has the potential to transform our experience of long journeys and commuting. It is key to help us build the cities of the future, where there will be less traffic congestion, lower carbon emissions, and fewer, if any, accidents. However, the industry is now confronted with massive technological and legal hurdles.

In fact, bringing safe autonomous vehicles to the road has been the biggest challenge for the automotive and mobility industry since the invention of the car more than 100 years ago.

At The Autonomous, we propose working together rather than racing against each other to tackle this challenge. The Autonomous is now an open collaboration platform for worldwide automobile manufacturers, tier1 suppliers, semiconductor vendors, technology developers, governments, academia, insurers, and regulatory institutions to develop a cohesive safety framework. We are about to solve complex problems no one has worked on before. Therefore, no company alone can cope with all the associated hurdles, no matter the resources. Only through a concerted effort by all stakeholders in the autonomous vehicle sector can we develop trusted safety measures and gain public acceptance in this innovative and life-critical technology.

This Report is a testament to The Autonomous community's power. Together, we can start the revolution of the mobility industry. Will you join us in our goal of making safe autonomous mobility a reality?

Foreword



PHILIP SCHREINER

Head of The Autonomous

As Head of The Autonomous, Philip Schreiner is strongly engaged in partnership management, building together with his team a rapidly growing ecosystem around autonomous mobility. In his role, he is also responsible for the overall project implementation, preparing the ground for the various stakeholders to create a common understanding of global safety in autonomous driving.

MESSAGE FROM PHILIP SCHREINER

Making autonomous driving a reality will have a significant impact on our lives. It is a unique opportunity to make individual transportation and the transport of goods much safer and more sustainable. Realizing the tremendous potential of autonomous mobility requires a strong ecosystem of global partners committed to a joint mission: finding solutions to the biggest safety challenges by creating collaboration opportunities.

I am very proud of what The Autonomous team has achieved since our successful launch in September 2019 at the Imperial Hofburg Palace in Vienna. Our staff has grown. And so has the number of our members; we've spread our message at numerous virtual and hybrid events; thousands of people have signed up for our newsletter, joined our insightful Chapter Events, and followed us on social media.

Our partners' support has been crucial to all the activities we have kicked off and the important outcomes we have achieved.

To name a few remarkable milestones in 2021:

- The Autonomous Main Event, held both in-person and virtually in 2021, gathered 500 leading experts and decision-makers from more than 200 companies in the autonomous vehicles space.
- The kick-off of our first international Working Group in June when major technology, automotive companies and academia officially joined forces under the umbrella of The Autonomous to start working on a safe system architecture for self-driving vehicles.
- The publication of our joint whitepaper with the World Economic Forum showcasing a diverse landscape of relevant alliances, standardization bodies, and collaboration platforms that can guide decision-makers and policymakers in the autonomous vehicle space.

I am inspired by our vision for new ways of working in the mobility industry – now it's time to take action, build on this momentum and strengthen our ecosystem so that together we can shape the future of safe autonomous vehicles. Thank you to our Working Group members, contributors, speakers, sponsors, and brand ambassadors. It's our great honor to continue growing The Autonomous community with you!

The Autonomous Community in 2021



DAIMLER



SAIC

Continental

RENESAS

• APTIV •

Goggo
network

**WORLD
ECONOMIC
FORUM**

NVIDIA

TTTechAuto

secunet



Fraunhofer
IESE

ISS INTEGRITY®
SECURITY
SERVICES

LeddarTech

arm



SAMSUNG



DENSO



What we do

01 EVENT STREAM

The Autonomous Events facilitate discussions and networking for leading executives and experts from the autonomous mobility ecosystem, opening the door to collaboration to bring value to consumers and make sure autonomous transportation systems are safe.

02 INNOVATION STREAM

The Autonomous Innovation Stream facilitates cooperation across the industry to work on global reference solutions for various safety challenges. These reference solutions conform to relevant standards and aim to facilitate the adoption of safe autonomous mobility on a global scale. As part of the Innovation Stream, The Autonomous launches and facilitates Working Groups in order to bring about the co-creation of recommended practices and concrete developments.

01 EVENT STREAM

CHAPTER EVENTS

With The Autonomous Chapter Events, we are **connecting the leading technical experts of the autonomous mobility field** to identify common **safety challenges** within multiple areas, some of which are architecture, AI, cybersecurity, regulation, sensor fusion, and more.

Co-hosted by a relevant player in the AV industry, each Chapter Event is packed with exclusive insights on a specific hot topic related to autonomous vehicles and serves as a basis for long-term collaboration within The Autonomous Community and Innovation Stream.

7

CHAPTER EVENTS

were co-hosted
so far by

8

ORGANIZATIONS

1500+

EXPERTS

participated
between 04/2020
and 12/2021

ATTENDEES FROM

**the automotive industry, tech industry,
academia, non-profits, the public sector, media
and government representatives**

OUTPUT

[IN-DEPTH REPORTS HERE](#)

2020 | April 2nd

Chapter Event Safety & Architecture

co-hosted by TTTech Auto

TTTechAuto

The discussions throughout the event focused on the following topics:

- I. System architectures for safe automated driving (AD)
- II. Safe trajectories for automated driving AD

SPEAKERS



Riccardo Mariani

Vice President of Industry Safety,
NVIDIA

NVIDIA



Simon Fürst

Principal Expert Autonomous Driving Technologies,
BMW Group



Martin Törngren

Professor in Embedded Control Systems,
KTH Royal Institute of Technology



Jack Weast

Senior Principal Engineer, Intel & Vice President for
Automated Vehicle Standards, Mobileye



Wilfried Steiner

Corporate Scientist & Director TTTech Labs, TTTech
Computertechnik AG

TTTechAuto



Phil Koopman

Co-Founder, Edge Case Research & Principal
Technical Contributor UL 4600

June 5th

Chapter Event Safety & AI

co-hosted by Five



The following topics were addressed:
I. Neural Network Verification and Validation
II. Assuring Safety in AI components

SPEAKERS



David Hand

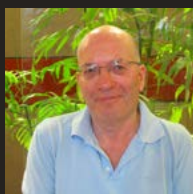
Emeritus Professor of Mathematics and Senior Research Investigator, Imperial College London

Imperial College
London



Iain Whiteside

Principal Scientist and Director of Safety Assurance, Five



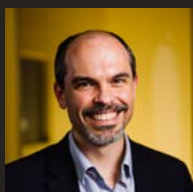
Yoav Hollander

Founder and CTO of Foretellix



Simon Burton

Director of Vehicle Systems, Bosch and Honorary Professor at the University of York



Michael Wagner

CEO and co-founder, Edge Case Research



Sandeep Neema

Program Manager, DARPA's Assured Autonomy Program



June 22nd

Chapter Event Safety & Security

co-hosted by Infineon and secunet

secunet



The discussions throughout the event focused on the following topics:

I. Fundamentals and Current Activities on Security

II. Challenges and Opportunities in the Security Domain

SPEAKERS



Harry Knechtel

Head of Production – Division Industry, secunet

secunet



Christoph Schmittner

Scientist in Cyber Security and Functional Safety, AIT



Markus Tschersich

Manager Security and Privacy Standardization & Regulatory Affairs, Continental



Dr. Jörg Schepers

Product Line Manager Automotive Microcontroller Powertrain, Infineon Technologies



Shiran Ezra

Product Director, Argus Cyber Security



Dr. Eduard Metzker

Manager Automotive Cyber Security Solution, Vector



Darryl Parisien

Sales Director, Integrity Security Services



July 9th

Chapter Event Safety & Regulation

co-hosted by PSWP



The following topics were addressed:

I. Attaining & Certifying Safety in AD - Regulatory Perspective

II. Attaining & Certifying Safety in AD - Industry & Standardization perspective

SPEAKERS



Benedikt Wolfers

Partner & Founder of POSSER SPIETH WOLFERS & PARTNERS



Richard Damm

President of the German Federal Motor Transport Authority and Chair of the UNECE Working Party on Automated/Autonomous and Connected Vehicles



Jonathan Morrison

Chief Counsel at U.S. National Highway Traffic Safety Administration (NHTSA)



Armin Graeter

Leader of Division Strategy Autonomous Driving, Driver Assistance at BMW



Barnaby Simkin

Autonomous Driving Standards, NVIDIA



Christian Gandt

VP Automated Driving at TÜV SÜD



November 5th

Chapter Event Safety & Sensor Fusion

co-hosted by BASELABS



The discussions throughout the event focused on the following topics:

I. Data Fusion algorithms for SAE Level 2-4

II. Validation of Data Fusion Systems

SPEAKERS



Marcus Obst

Head of Business Development at BASELABS



Alexander Scheel

Sensor Fusion Engineer for Automated Driving at Bosch



Cornelius Bürkle

Research Scientist at Intel Labs Europe



Carlo van Driesten

Systems Architect for Virtual Test & Validation at BMW Group



Bert Auerbach

CTO and Co-founder of FDtech



Ronny Cohen

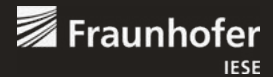
Director of the LeddarTech Sensor Fusion and Platform Research



2021 | June 24th

Chapter Event Safety & Architecture

co-hosted by Fraunhofer IESE



The following topics were addressed:

I. Dynamic Risk Management for Autonomous Systems

II. Systematic Engineering of Operational Design Domains for Autonomous Systems

SPEAKERS



Jan Reich

Expert Dynamic Assurances for Connected Autonomous Systems at Fraunhofer IESE



Fabian Oboril

Research Scientist for Dependable Driving Automation at Intel Labs



Bertrand Ricque

Program Manager and Team Leader at Safran Electronics & Defense



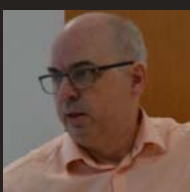
Iain Whiteside

Principal Scientist, Director of Assurance at Five



Bernhard Kaiser

Principal Safety Consultant at ANSYS



Rolf Johansson

Safety Expert at Astus



December 2nd

Chapter Event Safety & Sensors

co-hosted by LeddarTech

LeddarTech[®]

The following topics were addressed:

I. Why an ecosystem approach is the best solution in addressing ADAS and AD requirements across the value chain

SPEAKERS



Frantz Saintelley

President and Chief Operating Officer at LeddarTech

LeddarTech[®]



Thomas Brandes

Senior Marketing Manager for Visible and IR Lasers at ams OSRAM

OSRAM



Marco Angelici

MEMS Micro Actuators Business Unit Director at STMicroelectronics



Eric Hoarau

Head of Automotive Strategic Partnerships at Flex

flex[®]



Rick Tewell

Chief Operating Officer at AEye

AEEYE



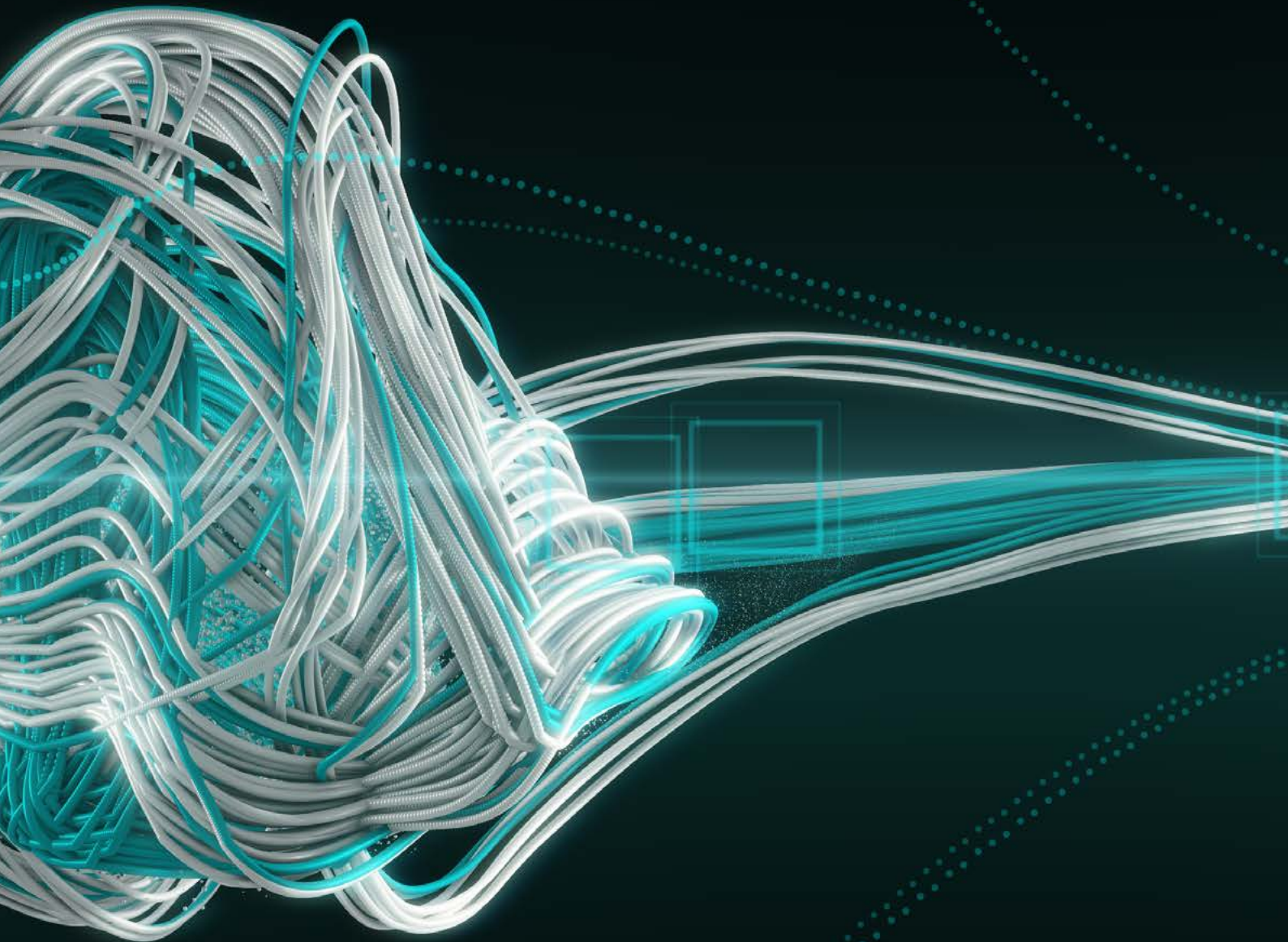
Klaus Fuchs

Senior Product Manager ADAS/AD Software & Controls at AVL





THE
AUTONOMOUS
MAIN EVENT





The Autonomous initiative kicked off in 2019 with an unforgettable global event bringing together the autonomous mobility industry decision-makers. In the meantime, this global gathering has become the flagship event of The Autonomous initiative.

Over 500 executives and experts from the autonomous vehicle space are joining every year to discuss and act on the biggest safety challenges for autonomous mobility. The leaders represent diverse companies and institutions, such as car manufacturers, technology companies, disruptors, governments, academia, regulatory bodies, non-profits, and more.

2021 | September 29th

The Autonomous Hybrid Main Event

In 2021, we went above and beyond! We reimagined our flagship event by extending it into the digital realm to allow even more international leading experts and decision-makers to meet and discuss the latest AV technologies, regulatory frameworks, and safety approaches.



KEYNOTES AND PANEL SESSIONS

In-person and virtual speakers joined us on stage physically and remotely



~ 200 INTERNATIONAL PARTICIPANTS

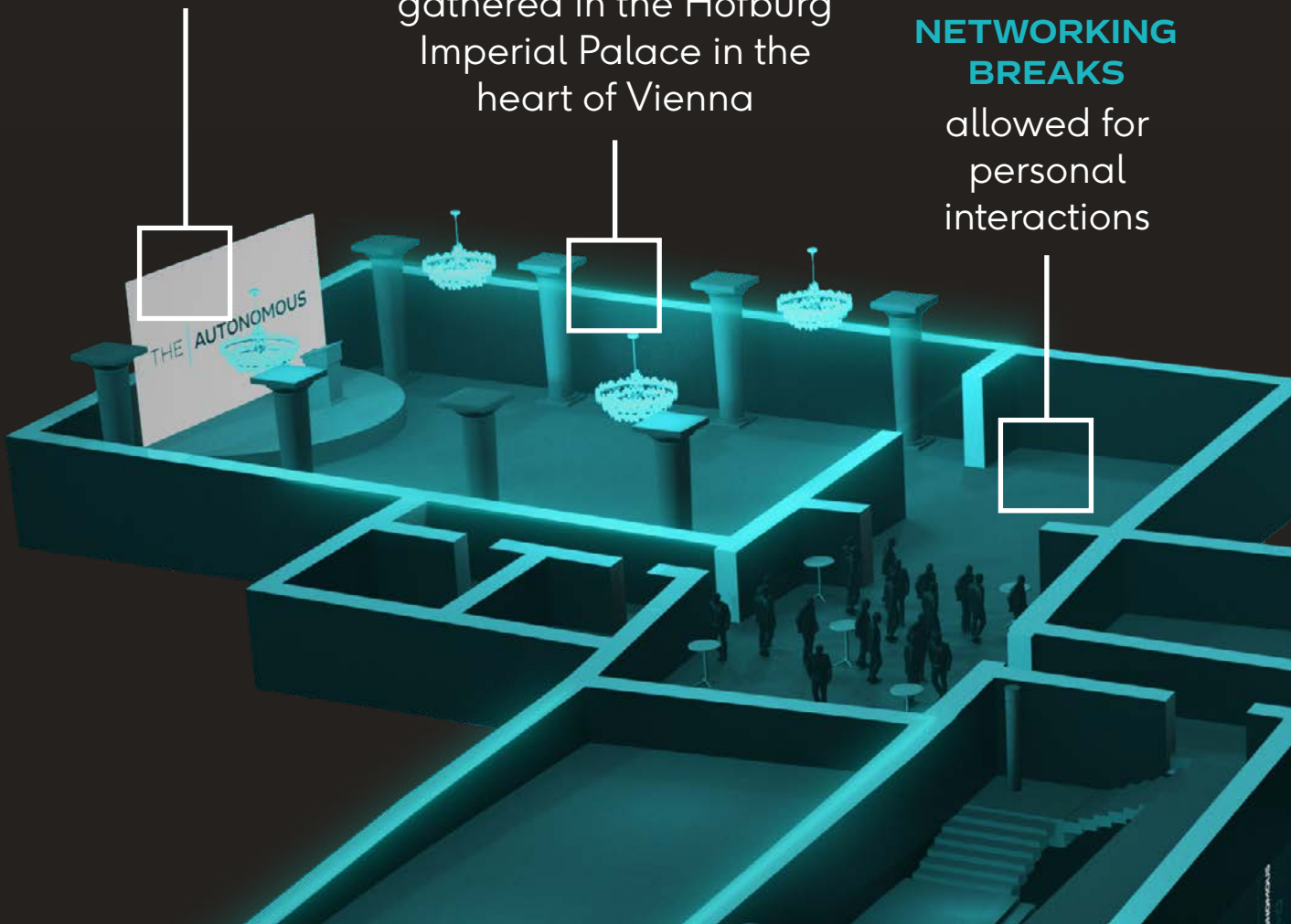
joined our The Autonomous virtual event platform

+ 300 GUESTS

gathered in the Hofburg Imperial Palace in the heart of Vienna

NETWORKING BREAKS

allowed for personal interactions



The hybrid event combined a live in-person engagement with a virtual component and an online audience.

The event slogan was “Untying the knot,” in other words, solving the complex safety challenges for autonomous vehicles by sharing knowledge, engaging in conversations, and creating an inclusive international community to pave the way for safe autonomous mobility.



VIRTUAL ROUNDTABLES

were set up to push an in-depth exchange, learn and benefit from the shared knowledge on several topics.



A CHAT FUNCTION

gave the opportunity to exchange with other attendees

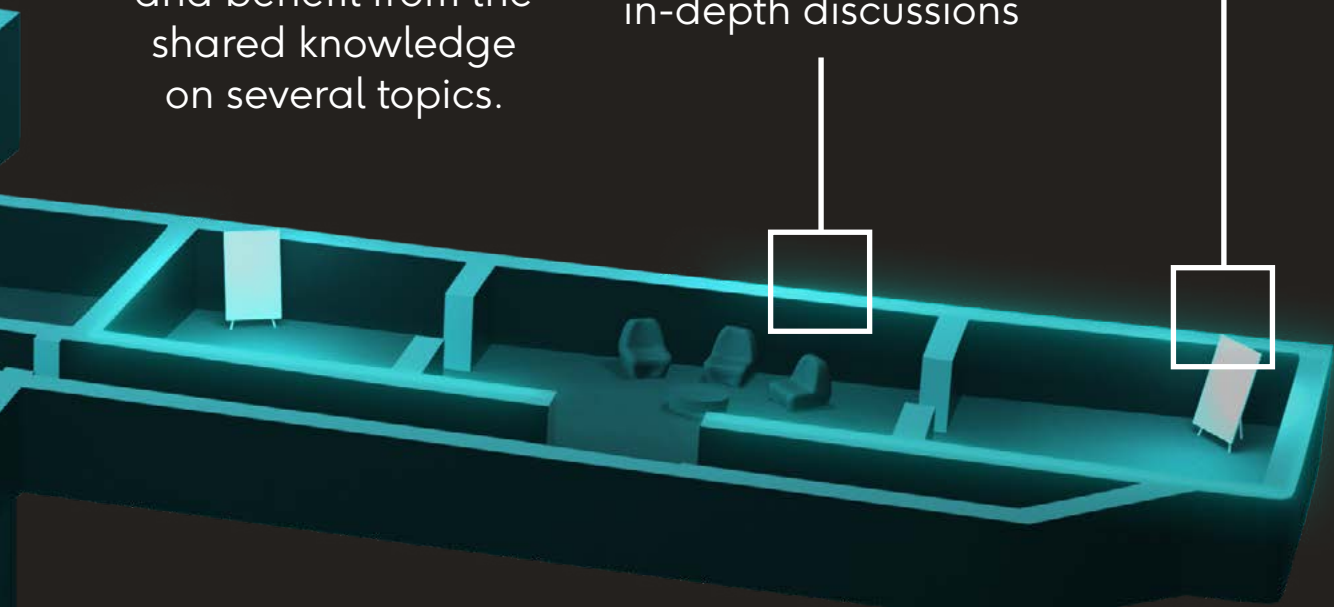


A HYBRID EXPERIENCE AREA

offered the chance to interact with the virtual participants

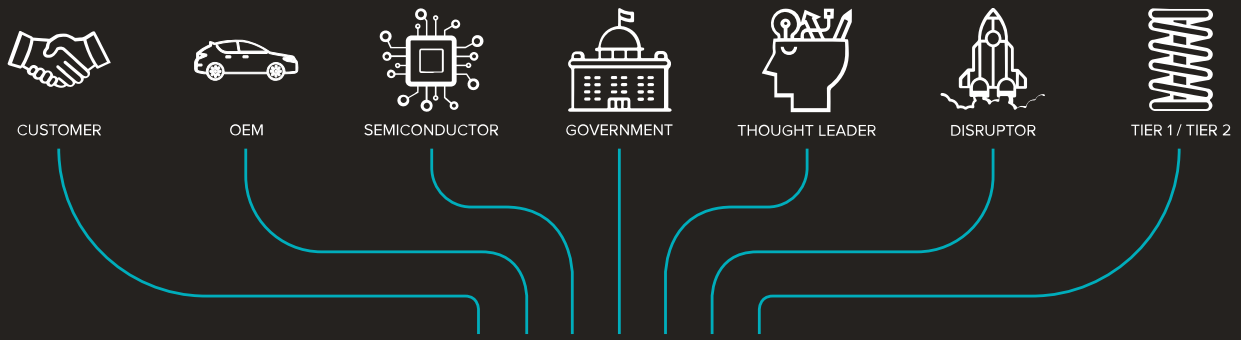
WORKSHOP

settings allowed for in-depth discussions

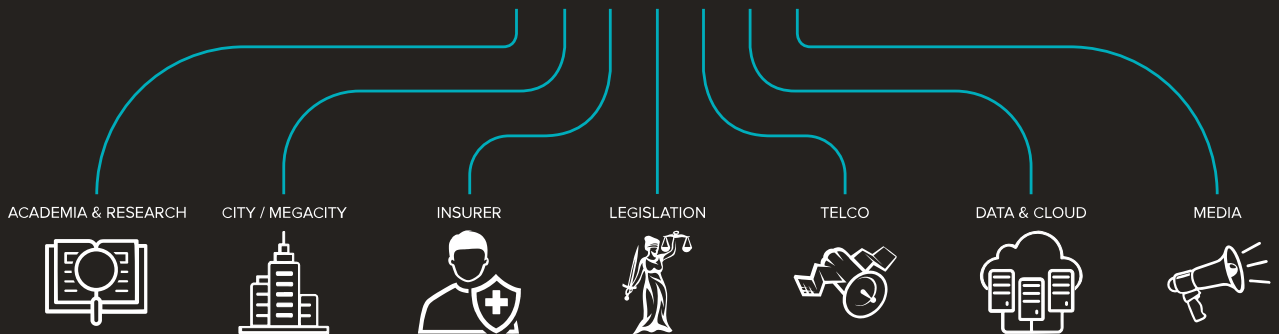


ENGAGING DIVERSE STAKEHOLDERS

MAIN EVENT



THE AUTONOMOUS ECOSYSTEM



SPONSORS

All our sponsors are leaders in their domain and benefit from the high-profile attendees and the possibility to meet them in person at the Main Event. The Autonomous provided an exceptional high-quality event with opportunities to engage, learn and exchange.





PANEL I

Disruptive Innovation vs. Incremental Change



Andrea Ketzer

Head of Engineering Platform & Ecosystem,
Continental



Edzard Overbeek

CEO, HERE Technologies



Jody Kelman

General Manager - Lyft Autonomous, Lyft



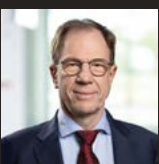
Young Sohn

Chairman of the Board, HARMAN International



PANEL II

Better secure than sorry – higher levels of connectivity come with bigger cybersecurity challenges



Reinhard Ploss

CEO, Infineon



Christoph Hartung

CEO, ETAS



Lars Reger

CTO & Executive Vice President, NXP Semiconductors



Simon Fürst

Principal Expert Autonomous Driving Technologies,
BMW Group



PANEL III

The vision is clear; the road is blocked – how regulatory bodies ensure the safe deployment of autonomous vehicles on the road



Benedikt Wolfers
Founding Partner, PSWP



Candice Plotkin
Director of Legal and Regulatory Policy, Cruise



Richard Damm
President of the German Federal Motor Transport Authority and Chair of the GRVA (UNECE)



Gail Gottehrer
Attorney and Founder at Law Office of Gail Gottehrer



Brad Stertz
Director of Government Affairs, AUDI and
Co-Founder of Automated Vehicle Education PAVE



PANEL III
THE VISION IS CLEAR, THE ROAD IS BLOCKED -
HOW REGULATORY BODIES ENSURE THE SAFE
DEPLOYMENT OF AUTONOMOUS VEHICLES ON
THE PUBLIC ROAD

Junko Yoshida
Moderation
Candice Plotkin
Cruise
Brad Stertz
Audi

Benedikt Wolfers
PSWP
Gail Gottehrer
Law office Gail Gottehrer

Moderated by: Junko Yoshida
Editor in Chief, The Ojo-Yoshida Report



PANEL IV

Safety in AI – How to create truly safe intelligence



Tatjana Evas

Legal and Policy Officer, European Commission



Stan Boland

CEO, FIVE



Gary Hicok

Senior Vice President of Engineering, NVIDIA



Georges Massing

Vice President MB.OS Automated Driving, Powernet & E/E Integration, Mercedes-Benz AG



Mercedes-Benz

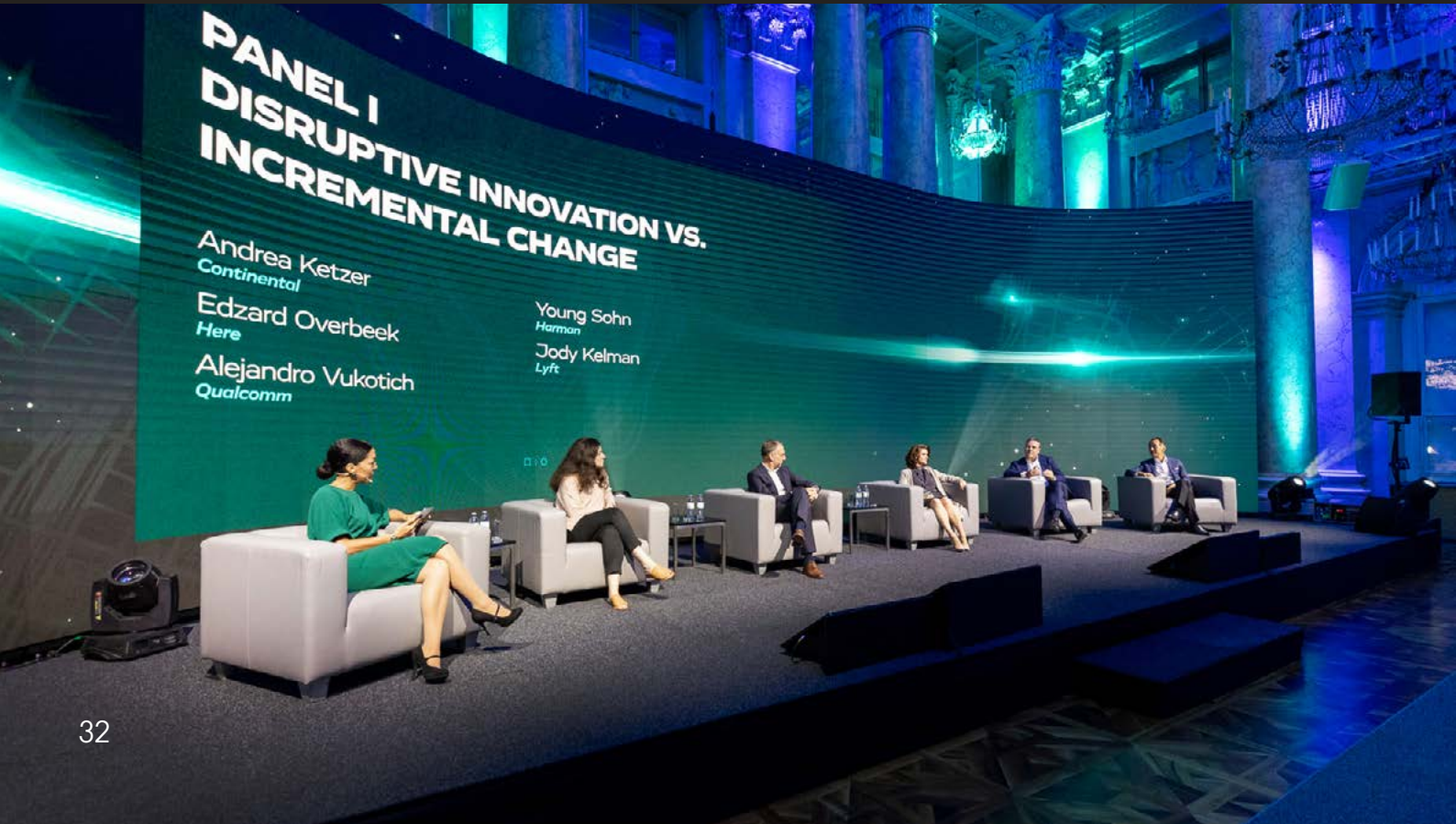


Jan Becker

CEO, Apex.AI



MAIN EVENT



PANEL V

Safety architectures



Bernhard Augustin

Director Development of Compute Platforms
for ADAS / Autonomous Driving, CARIAD

CARIAD



Simon Segars

CEO, Arm

arm



Stefan Poledna

CTO, TTTech Auto

TTTechAuto



Shinichi Yoshioka

CTO, Renesas

RENESAS



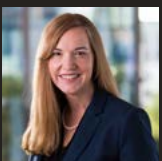
Sagar Behere

Director of Systems and Safety Engineering,
Aurora

Aurora

PANEL VI

Autonomous Mobility



Laura Major

CTO, Motional

Motional



Josh Giegel

CEO and Co-Founder, Virgin Hyperloop

Virgin
hyperloop



Michelle Avary

VP Product Strategy and Government Affairs,
North America, Einride

einride



Pascal Traverse

Head of Autonomy, Airbus

AIRBUS

Workshop I

Analytics, Safety & AI

co-hosted by FD Tech



Artificial Intelligence is a crucial component when it comes to deploying autonomous vehicles on public roads. In this workshop, we will explore how digital twins for simulation and validation can help with ensuring the safety of AI-based systems.

Workshop II

Safety & Architecture

co-hosted by The Autonomous



In June 2021, The Autonomous kicked off its first Working Group, “Safety and Architecture,” which aims at defining a conceptual reference architecture for safe self-driving cars (SAE L4). This workshop will present the recent developments of the Working Group and invite participants to be part of the ongoing conversations actively.

Workshop III

Safety & Security

co-hosted by secunet



Autonomous mobility comes with promises for safer, more comfortable, and more efficient driving. Achieving these goals requires various cross-domain challenges to be addressed. One such challenge is protecting autonomous vehicles from external disruptions that aim at causing harm – namely, security attacks. This workshop will cover the efforts of the cybersecurity domain to ensure that autonomous vehicles are safe from harmful security attacks.

Workshop IV

Safety & Regulation

co-hosted by PSWP



Germany took a pioneering role in 2021 and broke new ground with the recent introduction of a new law on autonomous driving that intends to bring “autonomous vehicles” at SAE Level 4 into regular operation as soon as 2022. By this legislative move, Germany is the first country in the world to allow driverless cars on the roads in defined operating areas (corresponding to the “operational design domain” or “ODD”). This workshop will cover the various opportunities and challenges that come with the new regulation and the next steps still needed for a harmonizing international and European legal framework.

Workshop V

Safety, Research & Innovation

EU funding plays an essential role in the innovation process in Europe. It strengthens European enterprises' competitiveness concerning innovation and commercial aspects by fostering cooperation between companies and academia and reducing the related risks of research and development, extending their position at the forefront of innovation- & technology leadership. The workshop will showcase the results of the EU selected projects PRYSTINE, UP2DATE and NewControl.



“Collaboration is not an option in the future world. Collaboration is a cornerstone to build an ecosystem for an autonomous future. “Safety and the implications of safety in the autonomous world are substantial. It’s up to us as an industry, together with government and other sectors to start working together,”

Edzard Overbeek
CEO, HERE Technologies

“The automotive industry is facing a historical chance. The upcoming years will redefine our understanding of mobility. Overcoming the safety challenges for truly automated driving cannot be mastered by a single OEM, Tier 1 or tech company.”

Ricky Hudi
Chairman of The Autonomous

“Every system can fail, especially the very complex systems. We have to talk about a common system architecture. In essence this means redundancy. We need an architecture where every point of failure can be mitigated.”

Stefan Poledna
CTO of TTTech Auto

“Global collaboration is key to make safe autonomous evolution a reality. There is vast experience and deep know-how in all of our companies, but we have to bring together this knowledge in a pre-competitive environment.”

Georg Kopetz
CEO of TTTech Auto

“In this sector, it’s less about incremental innovation versus disruptive innovation, it’s more about where along the value chain you need to think about bringing the end-consumer into the process sooner rather than later.”

Jody Kelman

General Manager of Lyft Autonomous

„We can’t solve safety challenges in isolation. Safety is not an area to compete on our compromise. Safety is about building the right infrastructure. There are a lot of different consortia out there. We chose this one because of its emphasis on collaboration. This is how we are going to solve the challenges posed by autonomous vehicles.

Damian Fozard

CEO & Co-Founder, CoreAVI

“Today ADAS architectures and systems require various competencies and partners. It’s an excellent opportunity to meet them all at The Autonomous.”

Bernhard Augustin

Director Development of Compute Platform for ADAS/
Autonomous Driving, CARIAD

“The market for fully connected and autonomous devices will come into existence only if people can truly trust the systems.”

Lars Reger

CTO and Executive VP, NXP Semiconductors

arm



BASELABS

CoreAVI
INNOVATING A SAFER TOMORROW

DENSO

Fraunhofer
IESE



FIVE

Infineon

NXP



TTTechAuto

02 INNOVATION STREAM

THE AUTONOMOUS INITIATED THE FIRST INTERNATIONAL WORKING GROUP ON SAFETY & ARCHITECTURE

In 2021, major technology and automotive companies officially joined forces under the umbrella of The Autonomous to develop cutting-edge technologies for autonomous vehicles. The companies have committed to working on a system architecture for safe self-driving vehicles, specifically, for an SAE Level 4 Highway Pilot. This will form the basis for standardizing safety-related solutions and help accelerate the market readiness and series development of safe autonomous vehicles.

The upcoming system architecture for safe self-driving vehicles will be represented on a conceptual level. Fault-containments will be used to describe this architecture, and the tolerance against faults in the system will be carefully analyzed to ensure the safe automated operation of the overall vehicle. The resulting system architecture will represent a reference solution for all participating members as a first step and subsequently may be adopted by other industry players in different regions of the world.

11

MEMBERS

25

EXPERTS

06-2021

**KICK-OFF
DATE**

12-2022

**FIRST PUBLIC REPORT
EXPECTED**

TOPIC

SAFETY & ARCHITECTURE

Developing a safe system architecture
for SAE level 4 autonomous vehicles

WORKING GROUP GOVERNANCE

The Governance of a Working Group encompasses the legal framework, rules, and mechanisms by which the Working Group operates, and its people are held to account.

The roles within any Working Group include a Working Group Lead, the facilitator – The Autonomous – and the member companies. Each has different tasks, responsibilities, and opportunities within The Autonomous Working Group.

<p>Facilitator The Autonomous</p>	<p>Working Group Members Platinum, Gold, and Silver Members</p>	<p>Working Group Lead Initiating company of the Working Group</p>
<p>Responsibilities</p> <ul style="list-style-type: none"> ✓ Neutral Position ✓ Organizational work ✓ Onboards members ✓ Legal negotiations ✓ Facilitates meetings ✓ Coordinates units 	<p>Responsibilities</p> <ul style="list-style-type: none"> ✓ Financial contribution ✓ Personal contribution ✓ Seat on the Expert Advisory Board (available only for Platinum Members) 	<p>Responsibilities</p> <ul style="list-style-type: none"> ✓ Neutral Position ✓ Scope definition ✓ Moderation ✓ Coordination ✓ Chairperson for 1st period



RULES OF PROCEDURE AND LEGAL FRAMEWORK OF THE AUTONOMOUS WORKING GROUPS

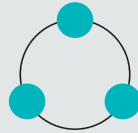
Developed by The Autonomous, the Rules of Procedure deal with the following:



Governance



Voting rights



Attendance



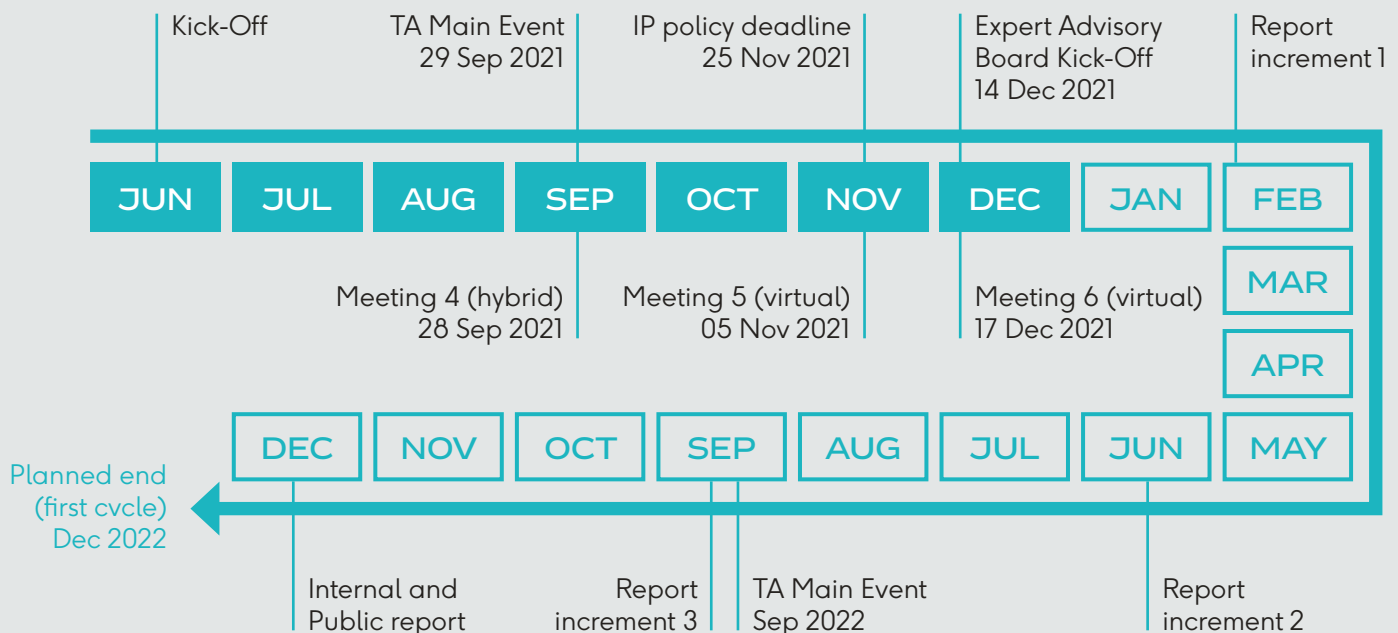
Roles & responsibilities

The Rules of Procedure are accessible to all members or prospective members and give a comprehensive overview of what is required of each member (=company) and participant (=person).

If you are interested in learning more about the Rules of Procedure, roles and responsibilities of all participants in a Working Group:

[DOWNLOAD DOCUMENT HERE](#)

TIMELINE



You want to know more about The Autonomous first Working Group's objectives? [Read all about it here.](#)

WORKING GROUP TESTIMONIALS



Dipti Vachani

Senior Vice President
and General Manager
Automotive and IoT
Line of Business at arm

“Safety technology is paramount for autonomous vehicles, and the massive societal value they will bring, to succeed. Arm’s collaboration across the industry in initiatives such as The Autonomous complements our technologies and ecosystem engagements to enable and accelerate the development of safe autonomous vehicles.”

arm



Stefan Sollmann

Head of Automated
Driving Advance
Development at
CARIAD

“Safety and customer acceptance are more than just important factors, they are fundamental prerequisites for the development of automated driving. We, therefore, welcome the initiative of “The Autonomous” to create a Working Group that is committed to working towards a safe system architecture for self-driving vehicles. It will allow us to cooperate beyond industry borders for the benefit of automated driving technology.”



Martin Törngren

Professor and Center
Director, KTH Royal
Institute of Technology

“The development of safe autonomous mobility requires multidisciplinary and pro-active collaboration; this is a major priority for us.”





Georg Kopetz

CEO of TTTech Auto,
initiating company of
The Autonomous

“This kick-off towards joint development of a pre-competitive safe autonomous mobility reference architecture can be a game-changer and we are proud to take part in this important global activity. One of the drivers for the mass adoption of autonomous driving technology is the collaboration among industry leaders to agree on a common safety reference architecture. Together, we are working to solve the fundamental question of how an ultra-dependable, yet also affordable autonomous safety architecture can soon be realized at scale for passenger cars.”

TTTechAuto



Robin Schubert

Co-Founder and CEO
of BASELABS

“With its software product strategy, BASELABS contributes to safe automated driving not only for one brand or one car model, but for all vehicles. This aligns perfectly with The Autonomous’ mission of working together on global reference solutions that will benefit the future users of automated mobility. We are looking forward to creating results in the working groups.”

 **BASELABS**

Our Key Successes

2000+

NEWSLETTER
SUBSCRIBERS

1000+

DOWNLOADS
OF TECHNICAL
REPORTS

4000

LINKEDIN
FOLLOWERS

200+

NUMBER OF TIMES
MENTIONED IN
THE PRESS

30

NUMBERS OF
INTERVIEWS

THE AUTONOMOUS IN THE MEDIA SPOTLIGHT



SHAPING THE FUTURE OF AUTONOMOUS MOBILITY

“Technology and automotive industry players have established a cross-industry partnership to drive the development of automated driving.”

[> SEE FULL ARTICLE](#)



BRANCHENEXPERTE: „KEINE FIRMA KANN AUTONOMES FAHREN ALLEINE BEWERKSTELLIGEN“

Edzard Overbeek, Chef des Kartenspezialisten Here, hält die Zusammenarbeit zwischen Auto- und IT-Industrie für entscheidend auf dem Weg zum Robo-Auto.

[> SEE FULL ARTICLE](#)



HOW VW, MERCEDES, BMW WILL LEVERAGE CORE STRENGTHS IN RACE TO DEVELOP AV'S

Automakers have something even the most ambitious, well-funded tech darlings don't: vast expertise in building cars.

[> SEE FULL ARTICLE](#)



AUDI, BMW, DENSO AND CHIPMAKER NXP HAVE PARTNERED ON AN INTERNATIONAL WORKING GROUP

...aimed at defining a safe automated driving system architecture for self-driving vehicles. The inaugural group, which was actually created last month but that I'm just sharing with you now, is being spearheaded by The Autonomous. Companies from the industry are invited to learn more about this cross-industry collaboration at The Autonomous Main Event on September 29, 2021.

[> SEE FULL ARTICLE](#)



THE AUTONOMOUS: SO KÖNNEN SELBSTFAHRENDE AUTOS SICHERER WERDEN

„Die Automobilindustrie steht vor einer historischen Chance. Die kommenden Jahren werden das Verständnis von Mobilität neu definieren. Die Sicherheitsherausforderungen für echtes automatisiertes Fahren kann nicht ein einzelner Hersteller, Zulieferer oder Technologieunternehmen meistern“, sagte Ricky Hudi, Vorsitzender von The Autonomous, beim Event.“

[> SEE FULL ARTICLE](#)

Our Team



Philip Schreiner
Head of The Autonomous

As Head of The Autonomous, Philip Schreiner is strongly engaged in partnership management, building together with his team a rapidly growing ecosystem around autonomous mobility. In his role, he is also responsible for the overall project implementation, preparing the ground for the various stakeholders to create a common understanding of global safety in autonomous driving.



Luisa Griesmayer
Project & Events Manager

Wearing many different hats, Luisa brings direction to all projects within The Autonomous ecosystem. She plans, executes and monitors all initiatives and activities, keeping an eye on scope, budget, and timelines. Luisa rejoices in creating the right environment and events for The Autonomous community to meet, network and exchange on the future of safe autonomous mobility.



Iulia Baidac
Marketing Manager

A passionate marketing strategist, Iulia Baidac is responsible for shaping The Autonomous' brand identity, leveraging a variety of communication and marketing channels to connect with the expert community, partners and media. From social media, newsletters and websites to press, event and brand campaigns, she strives to bring creative, new ideas to ensure a positive experience of all stakeholders involved.



Christoph Schulze
Technology Expert

Eager to pave the way towards Global Reference Solutions for safe autonomous mobility, Christoph seeks to establish and maintain a global network of technical experts. A technology expert himself, Christoph holds a Ph.D. in Scientific Computing and Modeling from the Technical University of Vienna. Excited about the challenges of autonomous driving, he is responsible for our Innovation Stream and The Autonomous Working Groups.



FINANCIALS

EXPENSES	€ 768.000,00
Overhead Wages, office, material, infrastructure	€ 373.000,00
Innovation Stream Meetings, tooling, announcement	€ 25.000,00
Event Stream Main Event, Chapter Events	€ 300.000,00
Marketing & PR	€ 70.000,00
INCOME	€ 439.000,00
Membership and Sponsorship	€ 385.000,00
Ticket Sales Main Event	€ 54.000,00

Join our community!

You are not yet part of The Autonomous? Get involved: Contact us!



Become a member

Will you join us in changing the way the mobility industry solves problems?

START NOW



Co-host a Chapter Event

Connect leading experts around the world and allow cross-industry dialogue.

START NOW



Sponsorship

Position your brand at the heart of the autonomous mobility industry.

START NOW



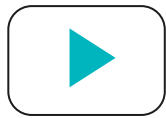
Content Packages

Collaborate with us to create relevant content for the autonomous mobility community.

START NOW

THE | AUTONOMOUS

The Autonomous
Operngasse 17-21 | 1040 Vienna | Austria
contact@the-autonomous.com
www.the-autonomous.com



YouTube

Subscribe to our channel and watch our insightful videos.

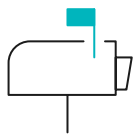
[CHECK OUT OUR VIDEOS](#)



LinkedIn

Follow us for the latest news, upcoming events, members' updates and more.

[STAY IN TOUCH](#)



Newsletter

Get the latest news from The Autonomous delivered to your inbox.

[DON'T MISS OUT](#)



Let's chat

How can we help you?

[CONTACT US NOW](#)