

Prof. Markus Enzweiler Expert for autonomous mobility new advisory board member

Reinforcement in the Advisory Board by long-standing Mercedes-Benz Technical Manager for Autonomous Driving

- **Markus Enzweiler now member of the Advisory Board of Spleenlab**
- **Support in the field of AI, Lidar and autonomous mobility**
- **Focus is on further network expansion and internationalization**

Saalburg-Ebersdorf. Markus Enzweiler long-time Technical Manager of Mercedes-Benz for autonomous driving, environment sensing, sensor technology and AI and professor for "Autonomous Mobile Systems" at the Esslingen University of Applied Sciences, is now a new advisory board member of Spleenlab. The multi-award-winning and internationally highly recognized expert for autonomous mobility has a great expertise and network in the core areas of the AI software specialist from Thuringia. "We are proud to have Markus Enzweiler, one of the leading international experts in autonomous systems, who combines technical knowledge and progressive research" ,said Stefan Milz, Co-Founder and Head of R&D at Spleenlab. "We want to continue to grow in our core areas and open up new customer fields. Markus Enzweiler is therefore a great asset on our way to becoming a leading international specialist for autonomous mobility" ,add the two co-founders Tobias Rüdiger, Head of Operation and Finance and Sebastian Süß, Head of Marketing and Communication. "Spleenlab is one of the most exciting automation and AI companies on the market. I am happy to actively support the team with my experience and network in the field of autonomous mobility" ,concludes Prof. Enzweiler.

About Prof. Markus Enzweiler:

Markus Enzweiler worked for many years as Technical Manager in the field of driver assistance and autonomous driving and for environment sensing with LIDAR and camera sensors at Mercedes-Benz R&D. Currently, he is professor for autonomous mobile systems at the Esslingen University of Applied Sciences. Through his activities he is very well connected within the industry and the research world. Nationally, as well as internationally. This is also reflected in his activities as co-organizer of important workshops at various conferences and countless publications and awards. His content focus is on AI, deep learning, driver assistance and autonomous driving. He is also a Junior Fellow of the Gesellschaft für Informatik (German Informatics Society).

About Spleenlab

Spleenlab is a 2018 re-founded highly specialized AI software company aiming to develop safe AI applications for real-time automation of drones, air-taxis and self-driving cars. The technologies and products developed by Spleenlab offer their users a variety of different application possibilities for AI-based 3D mapping, inspection or monitoring in real-time on the vehicle. The members of the steadily growing team bring their many years of experience as senior AI engineers, managing directors and marketing experts to the company, which is based in Saalburg-Ebersdorf/Germany.

VISIONAIRY Take-off Talk with Markus Enzweiler

Automated driving and automated flying are two of the most exciting fields of our future mobility. What technical developments make you confident that machine-controlled vehicles on the ground and in the air will soon be part of our everyday lives?

Today, we are on the cusp of a mobile revolution - the large-scale introduction of mobile autonomous agents into broad areas of our everyday lives. This is primarily fueled by three trends in recent years: 1) continuous miniaturization and decreasing pricing of sensing and computing power; 2) breakthrough advances in the field of scene perception through artificial intelligence methods; 3) the wide availability of the necessary data.

You worked for several years as a technical manager for Mercedes-Benz on the development for self-driving cars. What do you think will help this revolutionary technology achieve a breakthrough and what role will AI play in this?

Despite immense progress in recent years, autonomous mobile systems are still far inferior to us humans, especially in understanding and acting in highly complex environments. The main reason for this is the lack of theoretical and practical methods that enable holistic perception, understanding, and action. Momentary manifestations of autonomous mobile systems can understand individual components of a scene very well, localize themselves, interact with people, cooperate with each other, plan actions, and act on them. However, they are not yet really able to combine all these isolated components into a holistic model, for example, to react appropriately in unforeseen, novel situations. For me, that's the key to success, and artificial intelligence will make the crucial contribution.

How do you see Spleenlab's role and opportunities in this field of AI-enabled "New Mobility" and how can you support it in your role as an advisory board member?

Spleenlab is one of the few companies that explicitly looks at the synergies between driving and flying, both in terms of technology and especially in safety aspects. This is a very important factor in the industrialization of AI systems. I am very excited to support this with my industry experience as an advisory board member of Spleenlab.

You recently became a professor of autonomous mobile systems at Esslingen University of Applied Sciences, what made you take the step into academia?

In addition to my industrial activities, I have already been active in research, teaching and junior researcher development for many years. My move to a professorship was therefore not a decision against industry, but a decision for a new environment in which I can implement my personal priorities even better: sustainable research on intelligent autonomous systems, teaching and junior staff development, and strengthening cooperation between industry and academia.

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