

Written composition cogniBIT

We are cogniBIT, a Munich tech startup founded in July 2020, with the goal to make autonomous cars safe in the interaction with us humans, supporting the era of smart mobility with improved efficiencies due to reduced road congestion and fewer car accidents.

Our algorithms which realistically simulate the behavior of all kinds of road users (e.g. motorists, cyclists and pedestrians) enable car manufacturers to bring safe autonomous cars to market more quickly.

In contrast to conventional, data-based approaches, cogniBIT uses a novel, knowledge-based approach grounded in state-of-the-art neurocognitive and sensorimotor research which allows to reproduce human limitations (such as limited perception or distraction), significantly increasing the validity of the simulation.

The three founders, Dr. Lukas Brostek, Dr. Isabelle Garzorz, and Alexander Knorr, combine more than 20 years of expertise from cognitive and neuroscientific research with experience in the automotive industry.

We would love to win the Future Mobility Award 2021 to point the way for smart and eco-friendly mobility concepts which – with our technology – can be tested for safety in an ecologically, economically, and safe virtual environment. Our goal is to settle the safety doubts about autonomous driving and raise awareness for its benefits. The sooner autonomous cars become safe to enter real-world traffic, the more our planet can benefit from improved vehicle efficiency and reduced road congestion.