

List of publications

Prof. Dr.-Ing. Michael Botsch

Publications

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- G. Notomista, M. Selvaggio, F. Sbrizzi, G. Di Maio, S. Grazioso, and M. Botsch. A fast airplane boarding strategy using online seat assignment based on passenger classification. *Journal of Air Transport Management*, 53:140-149, 2016.
- A. Chaulwar, M. Botsch, T. Krueger, and T. Miehling. Planning of safe trajectories in dynamic multi-object traffic-scenarios. *Journal of Traffic and Logistics Engineering*, 4(2), 2016.
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- M. Müller, P. Nadarajan, M. Botsch, W. Utschick, D. Böhmländer, and S. Katzenbogen. A Statistical Learning Approach for Estimating the Reliability of Crash Severity Predictions. In *IEEE Intelligent Transportation Systems Society Conference*, Rio de Janeiro, Brazil, November 2016.
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- P. Riegl, K. Chandra Sekaran, and M. Botsch. Generation of Realistic Traffic Scenarios for Virtual and Real Test Drives Based on a Hybrid Machine Learning Framework. In *IEEE International Conference on Vehicular Electronics and Safety*, Ahmedabad, India, December 2024.

Patents (DEPATIS)

- Kollisions- und/oder Personenschutzsystem für ein Kraftfahrzeug, Publication No. DE102006044085B4, EP000001902908B1.
- Kollisions-und/oder Personenschutzsystem für ein Kraftfahrzeug und Verfahren dazu, Publication No. DE102008045586B4, EP000002161163B1.
- Verfahren zur Ansteuerung einer Bremsvorrichtung eines Kraftfahrzeugs, Publication No. DE102010021872A1.
- Verfahren zur Auswertung von insbesondere wenigstens teilweise gemessenen, wenigstens einen Testdatensatz umfassenden Testdaten eines vorausschauenden Sicherheitssystems eines Kraftfahrzeugs zur Bewertung des vorausschauenden Sicherheitssystems, Publication No. DE102009029955B4.
- Verfahren zur Emulation eines Umgebungssensors in einem Kraftfahrzeug und zum Testen eines vorausschauenden Sicherheitssystems sowie Emulationsvorrichtung, Publication No. DE102011012961B3, EP000002495543B1, US000009159234B2, CN000102654753B.
- Fahrerassistenzsystem für ein Fahrzeug und Verfahren zum Vermeiden einer Kollision eines Fahrzeugs mit einem Objekt, Publication No. DE102011013486A1.
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- Verfahren zum präventiven Schutz von Insassen eines Fahrzeugs vor einer Kollision, Publication No. DE102012005867B4.

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- Computerimplementiertes Verfahren und Auswertungsvorrichtung zur Auswertung einer Verkehrssituation, Kraftfahrzeug, Computerprogramm und elektronisch lesbarer Datenträger, Publication No. DE102022104060A1.