

Curriculum Vitae

MEYER ZU HÖRSTE, Ernst Michael

CURRENT POSITION

Name of company

DLR

Job position

Scientific Staff.

PROFESSIONAL BACKGROUND

Dr.-Ing. Michael Meyer zu Hörste (male) is Chief Engineer of the Institute of Transportation Systems and has joined DLR in 2001 bringing already 6 years of railway research experience especially ERTMS with him. He was a major contributor in building the DLRs ETCS test laboratory RailSiTe®. Mr. Meyer zu Hörste holds several railway system patents and more the 50 railway related publications. Many projects had been developed with him or under his leadership. One example is the Railway Collision Avoidance System (RCAS). Since 2012, he is also chairman of the steering board of ERTMS Accredited Labs (EAL) and Fellow of the Institution of Railway Signalling Engineers (FIRSE).

EDUCATION AND TRAININGS:

10/88 - 7/95 Studies of mechanical Engineering at Technical University Braunschweig

10/88 –7/95 Diploma in mechanical Engineering at Technical University Braunschweig

2003 PHD in mechanical and electrical Engineering at Technical University Braunschweig

EXTRAS:

More than 100 Publications in Journals, Conference Proceedings and Books

More than 40 Patents or Patent applications in Rail-related areas

Scientific chair and/or chief editor of the proceedings of Conference Series “Test4Rail” and “SmartRaCon Scientific Seminar”

Most relevant Publications:

[1] Hagemeyer, Friedrich und Preuss, Malte und Meyer zu Hörste, Michael und Meirich, Christian und Flamm, Leander (2021) *Automatisiertes Fahren auf der Schiene - Rechtlicher und betriebliche Randbedingungen für den vollautomatischen*

Bahnbetrieb (Automatic railway operation – legal and operational conditions for fully automatic train operation). In German. Springer Essentials, April 2021

- [2] Meyer zu Hörste, Michael (2011) *ETCS Message sequence and data flow*. In: Stanley Peter (ed.) **ETCS for Engineers** Eurailpress. Seiten 100-110. ISBN 9783777104164 .
- [3] Tamarit, Jaime und Meyer zu Hörste , Michael und Montes, Fernando (2011) *Example of System Validation and Certification - the Madrid suburban lines*. In: Stanley Peter (ed.) **ETCS for Engineers** Eurailpress. Seiten 233-254. ISBN 9783777104164 .
- [4] Meyer zu Hörste, Michael: Meyer zu Hörste, Michael (2004) **Methodische Analyse und generische Modellierung von Eisenbahnleit- und -sicherungssystemen** (Methodical Analysis and generic modelling of railway operations and train control systems). Dissertation, VDI Fortschrittberichte Series 12, Nr. 571, Düsseldorf 2004. In German.