



**German Aerospace Center e.V. (DLR)**

Institute of Transportation Systems | Lilienthalplatz 7 | 38108 Braunschweig

**Jan Gripenkoven, M.Sc.** | Researcher

Telephone 0531 295 3507 | Telefax 0531 295 3402 | [jan.gripenkoven@dlr.de](mailto:jan.gripenkoven@dlr.de)

[www.DLR.de/fs/en/](http://www.DLR.de/fs/en/)

## Biography

---

- Born in Germany, close to the Dutch Border in Neuss
- Study of Psychology in Maastricht (Netherlands), Warsaw (Poland) and Berlin (Germany), specialized in human perception and traffic psychology
- Researcher at German Aerospace Center since 2011 in the field Rail Human Factors (Main topic: Level crossing safety)

*"I do not care if people know that they are approach a level crossing, as long as they slow down and look." He said*

## **Presentation: A human centered perspective on level crossing accidents**

---

A psychological framework that describes human information processing at level crossings will be presented. Research about possibilities to design level crossings in a way that makes use auf automatic processes in human perception in order to "force" people to look for a potentially oncoming train will be discussed. Addressing the topic of human factors including both, top-down and bottom-up processes of road users in the development of new safety strategies appears to be a promising step on the way to reach vision zero.