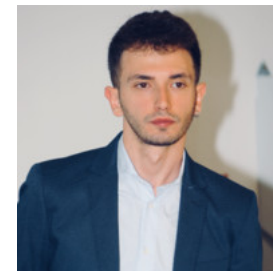


Human Factors, Risk and Safety research group

Alma Mater Studiorum – University of Bologna (Italy)

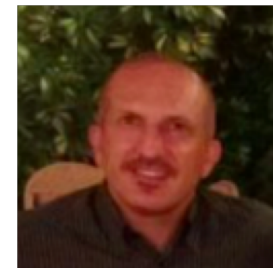
Dr. Daide Giusino, M.Sc.

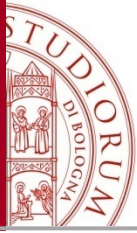
Department of Psychology
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Prof. Luca Pietrantoni, Full Professor

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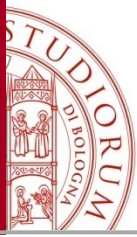


Areas of Expertise

- Human Factors and Ergonomics
- Traffic and Transport Behaviour
- Risk and Safety in Transportation

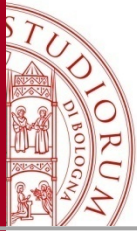
Research activities

- Users' risky and safe behaviours analysis and promotion
- Technology, automation and digitisation acceptance
- Socio-cultural differences in travel choices and behaviour
- Human-machine interaction and communication
- User-centered design
- Human performance
- Human capital



SHIFT2RAIL'S 2019 INFORMATION DAY: Open Call for Proposals

- [S2R-OC-IP1-01-2019 Advanced car body shells for railways and light material and innovative doors and train modularity:](#)
 - *Doors*: assessing **passenger comfort** to support a **user-centered design** of innovative door solutions allowing easy and friendly access to all categories
 - *Interiors*: analysing differential impacts of **human factors**, **cognition** and **culture** to design the most efficient cabin commands
 - developing a European survey to define new **human-machine interactions** and a new common human-machine interface
- [S2R-OC-IP4-01-2019 Complementary Travel Expert Services:](#)
 - investigating factors influencing consumers' **travel decision-making and behaviour** based on behavioural studies and **passenger surveys** about aspects **comfort**, **satisfaction** and **specific needs**



SHIFT2RAIL'S 2019 INFORMATION DAY: Open Call for Proposals

- [S2R-OC-IPX-02-2019 Breaking language barriers:](#)
 - examining (un)safe and (un)effective driver **communication** across routine, degraded and emergency situations to support the design and development of the aimed technological solutions
 - evaluating the technological communication solution's **impact on safety** based on **human factors methods**
- [S2R-CFM-IP5-01-2019 Smart data-based assets and efficient rail freight operation:](#)
 - *CBM*: applying human factors investigation methods to support a **user-centric** design of condition based maintenance dashboards
 - *Real-time Network Management*: analysing interactions between yard and infrastructure manager to promote solutions for improving **human interaction and communication**
 - Intelligent Video Gate Terminals: applying human factors methods to support a **user-centric** design of IVG

Bologna main Italian railway junction



- Strategic geographical location
- Italy's fifth-largest station
- 159 000 passengers/day
- 700 trains/day

- Research and Innovation as priorities of UNIBO mission
- EU Project Management with technical, legal, financial, and administrative expertise

