

interACT

Designing cooperative interaction of automated vehicles
with other road users in mixed traffic environments

Project Facts



Start Date
1st May 2017

Duration
36 months

EC funding
5.527.581€

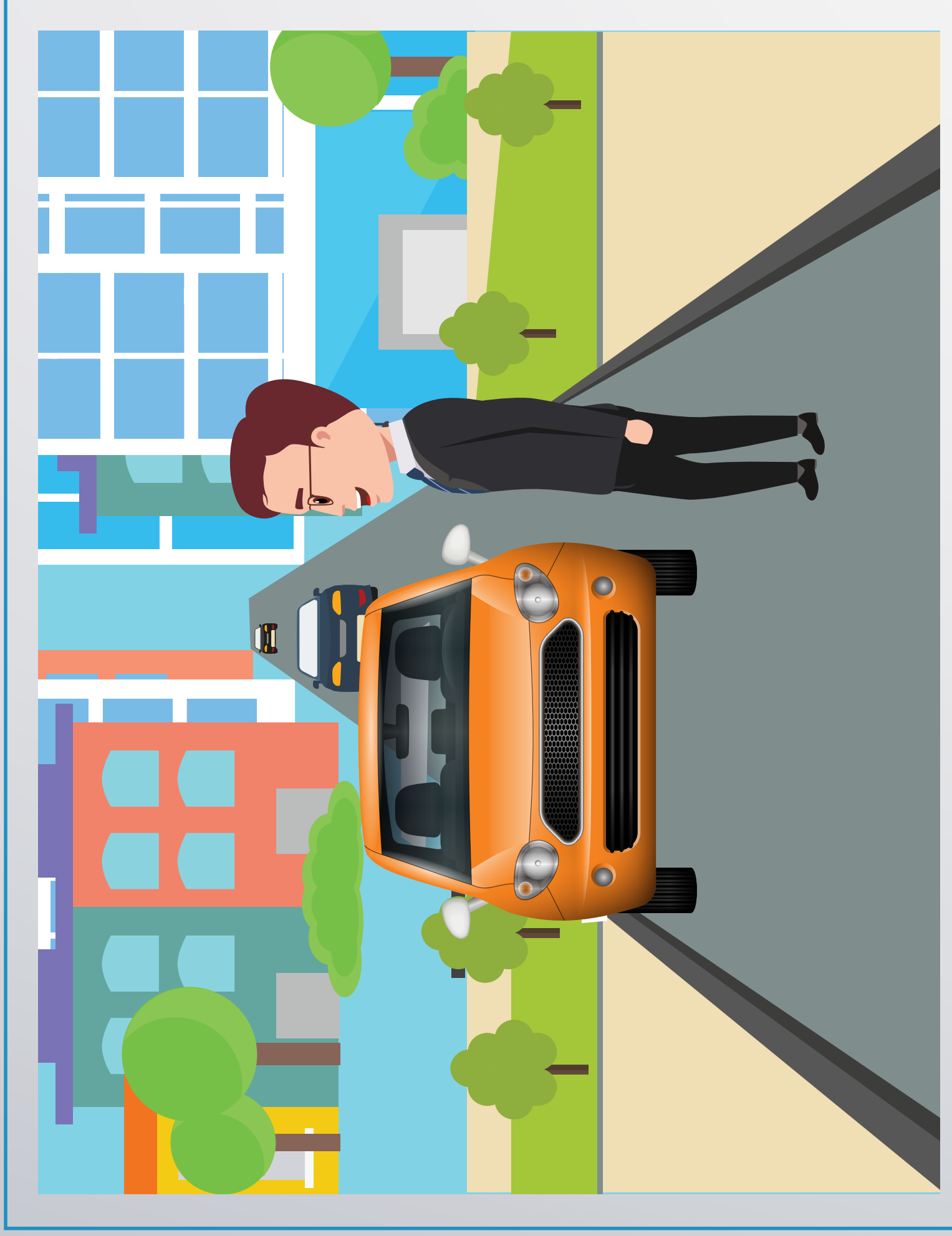
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interACT is a research project funded by the EU's Horizon 2020 programme. The aim of the project is to enable the safe and efficient communication and interaction between Automated Vehicles, other road users and on-board users.



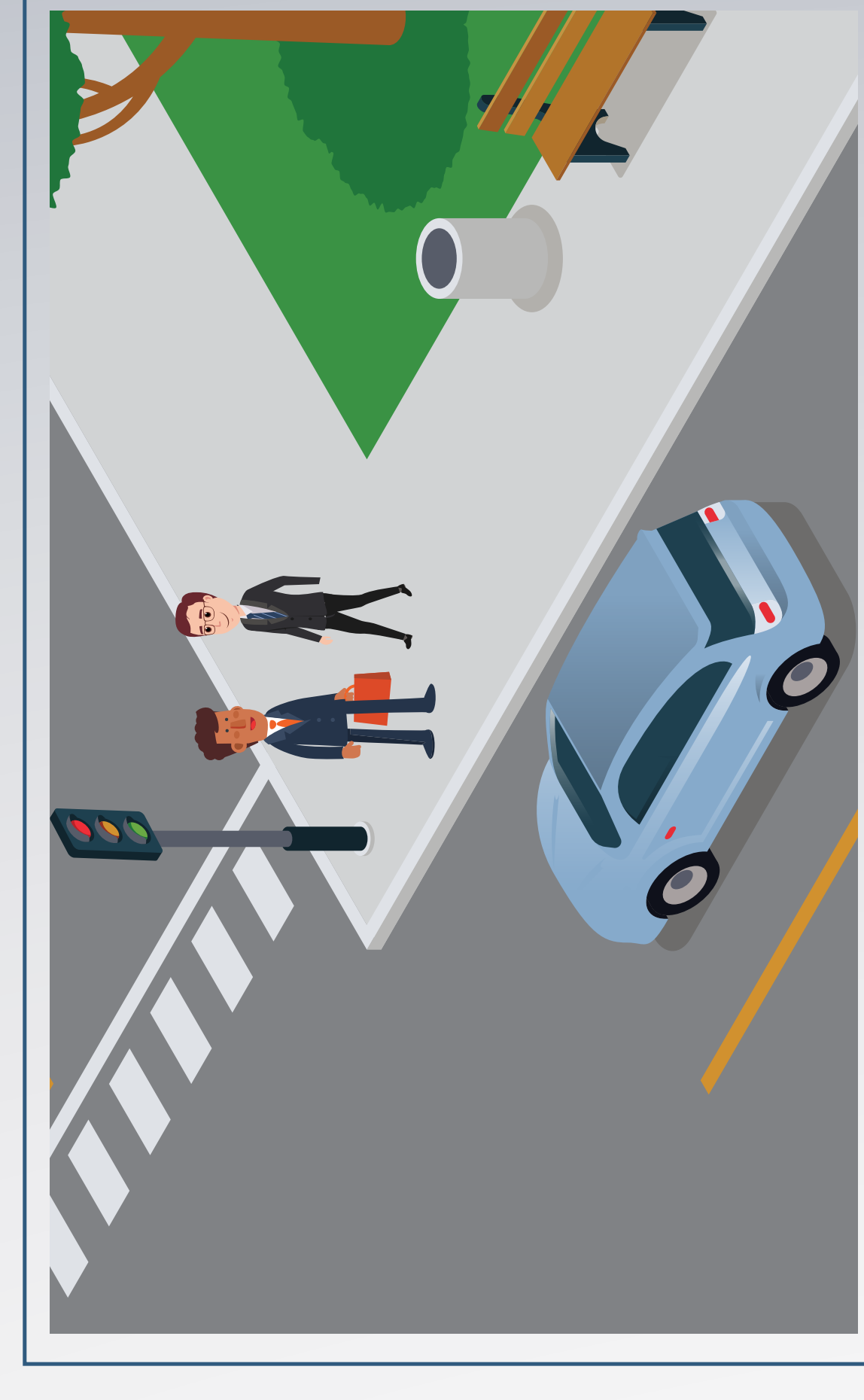
The challenge

Automated Vehicles need to communicate their intentions to other road users and on-board users

The enablers



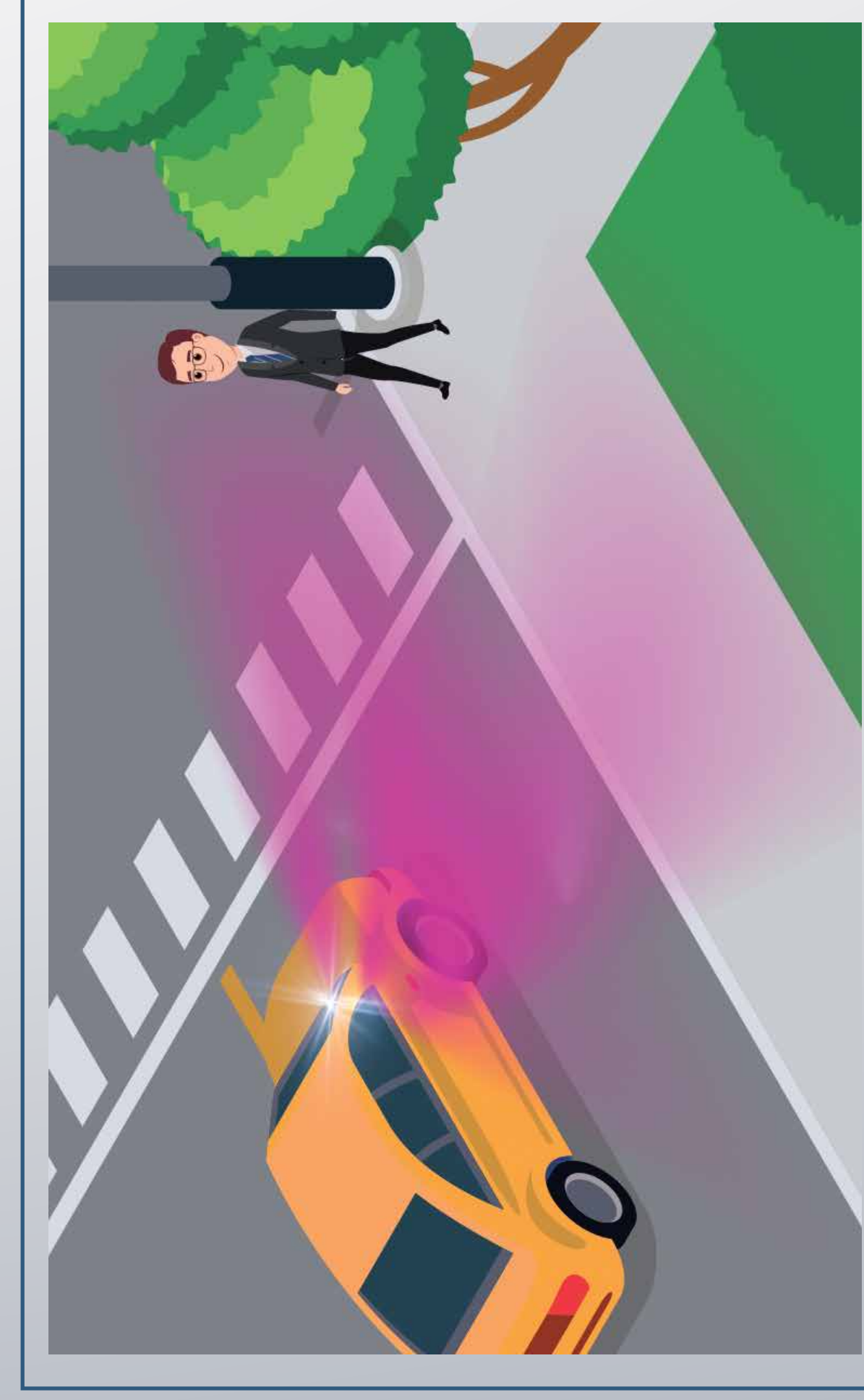
Evaluation methodology for assessing the quality of cooperation



Psychological models of human interaction behaviour

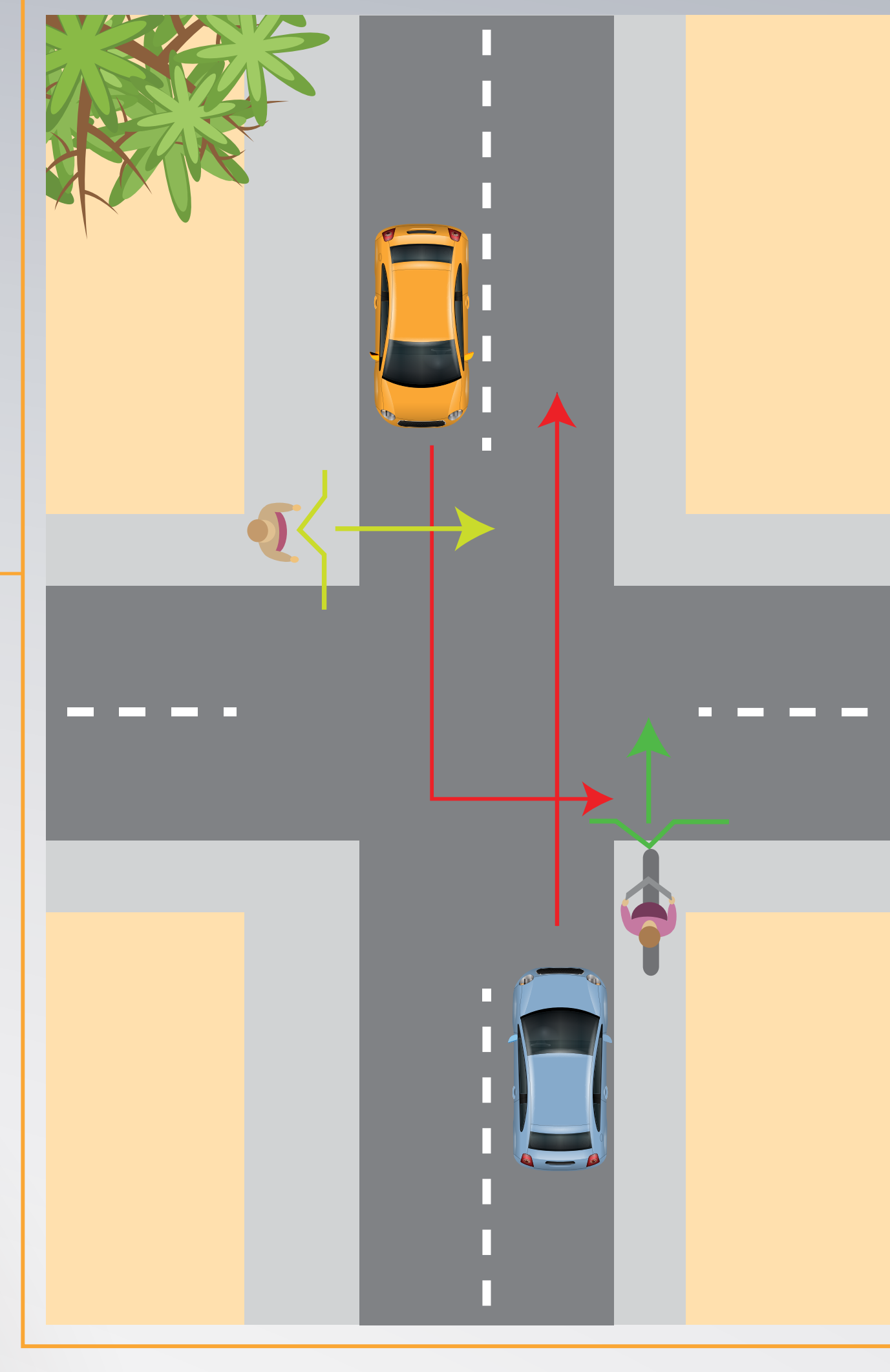


Novel HMI elements

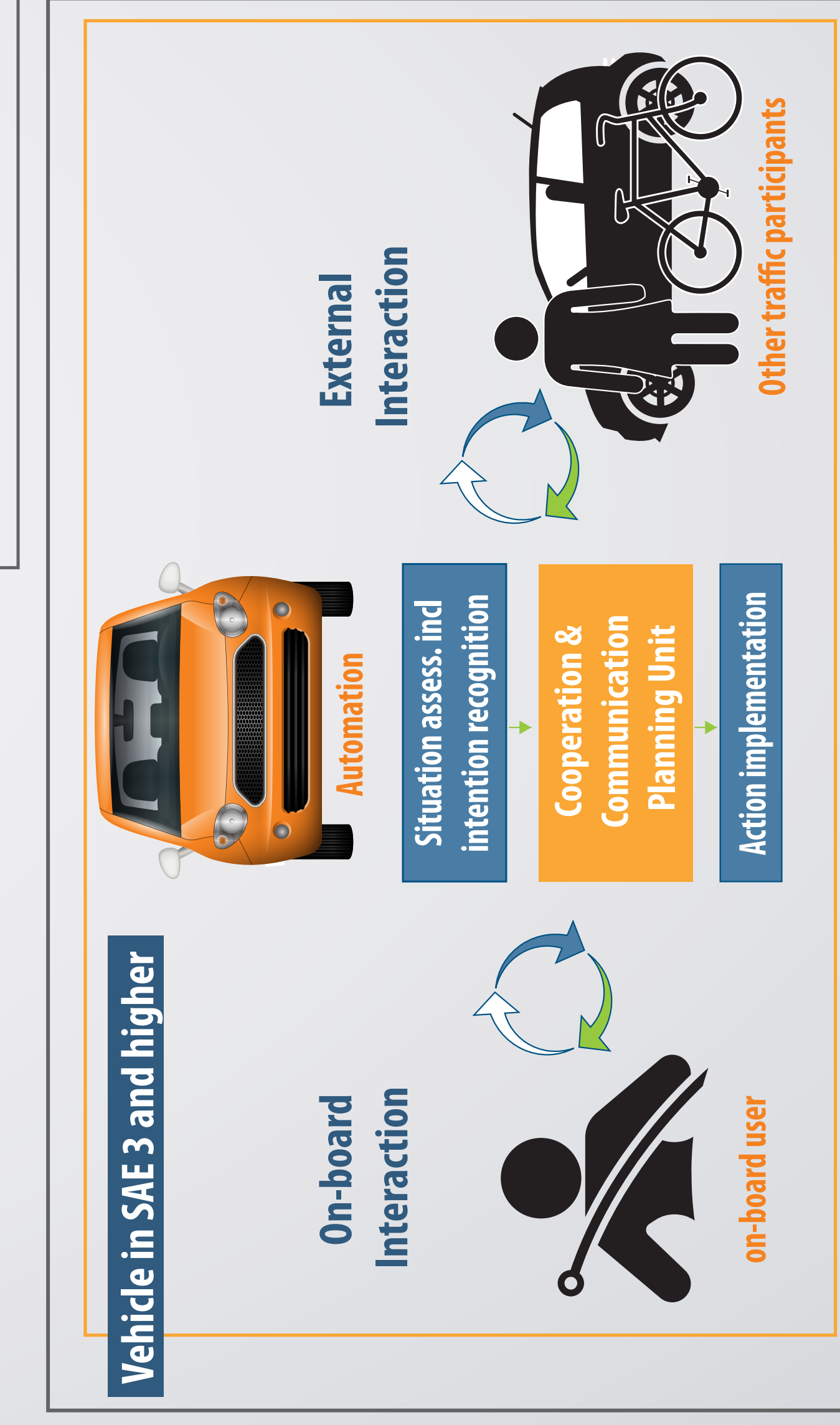


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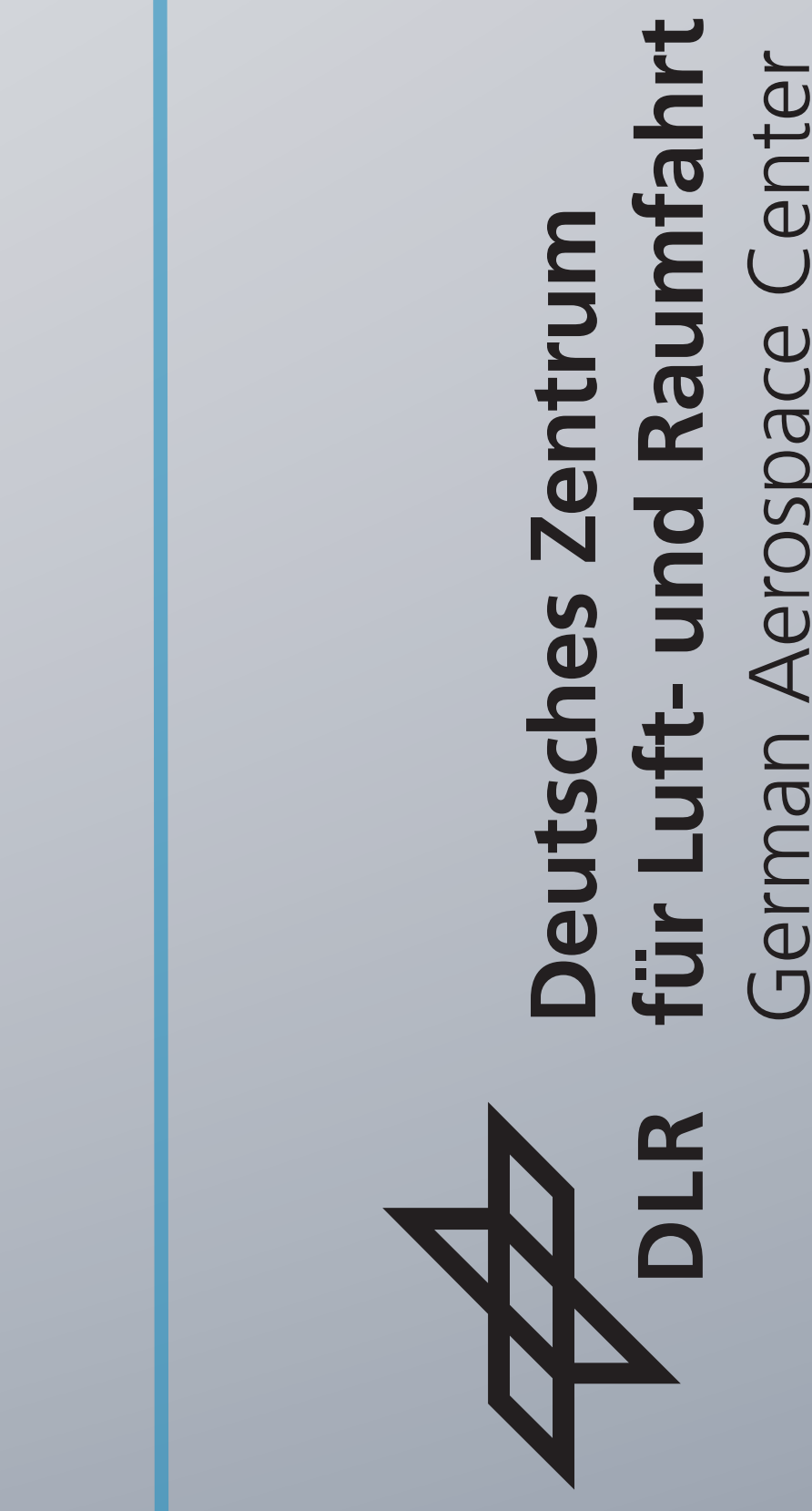
Improved algorithms for intention recognition and behaviour prediction



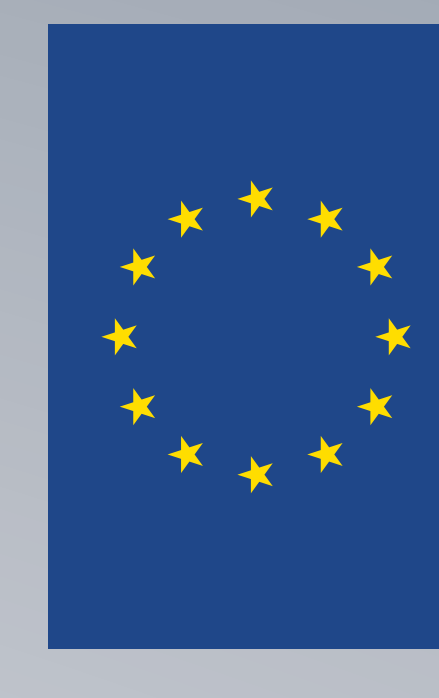
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Cooperation and Communication Planning Unit including fail-safe trajectory planning



UNIVERSITY OF LEEDS



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Consortium