

# Formalising Rightmost Lane Rule with Overtaking Consideration

*Driving should be on the rightmost lane if possible, except for overtaking.*

— Vienna Convention on Road Traffic (Article 10)

- **What is the type of this seminar topic?**  
Hands-on, getting hands dirty, implementation
- **What do I need to know?**  
A spoon of (formal) logic, a slice of functional programming, and a huge motivation to learn new things.
- **What do I have to implement?**  
Improve our previous formalisation of this traffic rule and implement a checker in Isabelle's functional language feature