



Master thesis topic: Assessing the risk of accidents in the Swiss transport sector

The topic of this thesis is a comparative assessment of different Swiss transport modes for the risk of accidents. The thesis would first develop accident risk statistics for different transport technologies including passenger cars, motorcycles, trains, airplanes, etc.) based on data collected by the Swiss Federal Office of Statistics. The second task would be to project how these accident risks may develop into the future considering developments such as automated cars, lightweight vehicles, improved safety devices, increased/ decreased traffic congestion etc.

The thesis is to be performed within the Technology Assessment group in the Laboratory for Energy Systems Analysis and the Paul Scherrer Institute in Villigen, Switzerland. This thesis is part of the SCCER Mobility.

Interested students are encouraged to contact Brian Cox* for more information. Please include a short academic background on yourself including study programme, course list, and current grades.

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