

# Bachelor/Master thesis

## Topic:

Comparison of the influence of different tire design properties on the mechanical responses of the asphalt pavement

## Contact persons:

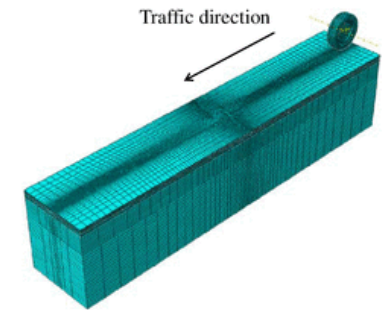
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## Subject:

The finite element software ABAQUS will be used to simulate the influence of different tire design properties on the mechanical responses of the asphalt pavement. The computational results will be compared with experimental data. After the verification of the numerical model, different pavement structures and the tire design properties will be applied in the simulation and the corresponding results will be compared.

## Possible start time:

Immediately for preparation



	Standard tread pattern	Longitudinal tread pattern	Full tread pattern
Bitmap-Input for FTire model			
Distribution of contact elements without camber			
Distribution of contact elements with camber			
Amount of contact elements	100%	400%	> 800%