Subject:
Firstly, the feasibility of DEM simulation in finite element software ABAQUS will be studied. And then a simplified numerical model will be created for simulation of the process of paving asphalt mixtures. After a series of adjusts, the computational results will be verified by experimental data. Finally, different operation parameters will be adopted and the corresponding results will be compared.

Possible start time:
Immediately for preparation

Bachelor/Master thesis

Topic:
Initial Investigation using ABAQUS to simulate the process of paving asphalt mixtures during construction

Contact persons:
Dr.-Ing. Pengfei Liu