SUPER – Stuttgart University Program for Experiencing Research

Project Information

Institute's Information

Name of Institute
Institute for Machine Components (Department for Railway Vehicle Technology)

Contact Person
Prof. Dr.-Ing. Corinna Salander

Phone
+49 711 685 6666

e-mail
corinna.salander@ima.uni-stuttgart.de

Duration of Project/Number of Students

June/July
June/July/August  
Number of Students
1

Name of Project
Construction of a railway bogie as 1:10 modell

Beneficial Skills
& Knowledge
Catia, Simpack, industrial art (mechanical)

Description of Work

The student shall check an existing CAD model against reality and improve where necessary. Based on this model the 1:10 railway bogie model shall be constructed using 3D-printing technology as well as conventional mechanical handcraft. The model shall provide all parts with their movements as in reality, for usage in lectures (springs, pivot, wheelsets etc.).