Digital Twin Demonstrator – A Student Project
Interdisciplinary Project (IDP)

Work Description
Digital Twins are one of the most discussed topics in the context of I4.0. The potentials are promising and manifold. However, this concept is still not applied by the majority of companies.

Therefore, at the Laboratory for Product Development and Lightweight Design a Digital Twin demonstrator will be developed to evaluate supporting methods, to find suitable modelling techniques and to derive a teaching concept for Digital Twins. This will be done by an interdisciplinary student team of 4-5 students, each writing an independent thesis.

We are looking for:

…an **engineer**, conceptualizing use cases for the Digital Twin, developing and implementing design changes, as well as applying and validating methods out of an existing toolbox (DITTID)

…an **informatics expert**, responsible for conducting data analyses, programming the virtual part of the Digital Twin, and connecting use phase data with models of the engineer.

…a **business expert**, applying and further developing a Digital Twin Business Modelling approach to carry out an economic evaluation of the modules

…a **didactics expert**, developing a teaching concept for Digital Twins based on the results of your colleagues.

Sounds interesting? Then apply now via email!

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