



Inspire AG AG (www.inspire.ethz.ch) is a technology transfer organisation with strong links to several professorships of ETH Zürich including the Institute for Machine Tools and Manufacturing (IWF) headed by Prof. Dr.-Ing. Konrad Wegener. As a technology transfer organization, inspire is developing the latest technologies and methods and strengthening the innovation power and the international competitiveness of its industrial partners.

For a joint research project we are looking for a

Project engineer

with the option for a PhD thesis at ETH Zürich

Subject

The research groups inspire ICS and inspire ICAMS are investigating outstanding lightweight designs made from combinations of fiber reinforced polymers with additive manufactured elements. Research questions address the development of rapid design strategies for curved lightweight sandwich structures made with additively manufactured cores and/or inserts for load introduction, and fiber reinforced polymer facings, as well as appropriate manufacturing and testing technologies.

In this position, you will gather experience and improve your competences in performing and managing customer oriented research projects on the development and optimization of lightweight structures. Additionally you can write a PhD thesis in the field of additive manufactured core elements for lightweight sandwich structures under the supervision of Prof. Dr.-Ing. Konrad Wegener of ETH Zürich.

Working in a **research environment**, as well as the **close cooperation with our industrial partners**, requires a motivated team player who works proactively and is open for new developments. We are looking for a person with:

- a master degree in mechanical engineering with good grades or a similar education
- fluent skills of the English language oral as well as written
- fluent skills in German language are beneficial
- first experience in FEM simulation of fiber reinforced polymer structures
- experience in topology optimization is beneficial

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