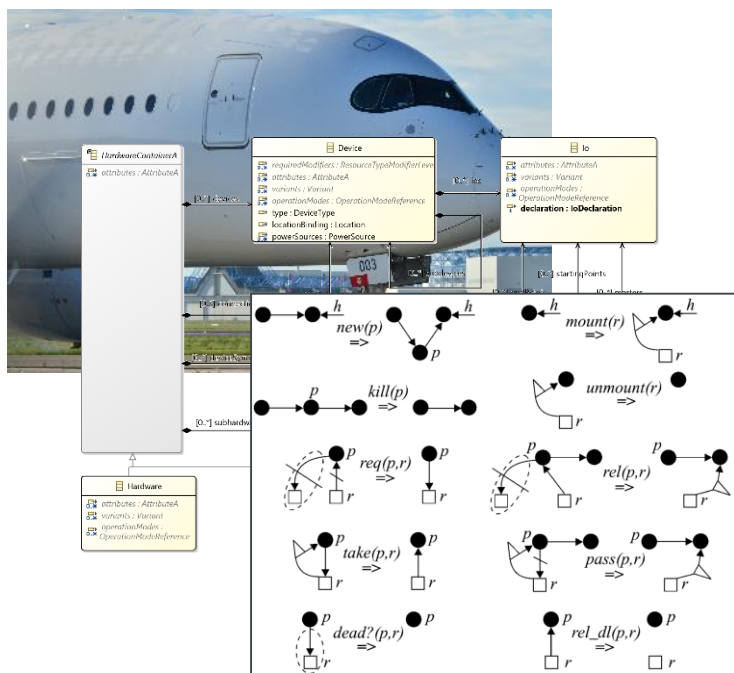**University of Stuttgart**

Institute of Aircraft Systems

PhD/Doktorand*in

(Wissenschaftlicher Mitarbeiter*in)

PROJECT TALIA

Model Transformation for Safety-critical Software

Your opportunity to join the highly innovative, friendly, and international field of aircraft electronics and software:

Integrated Modular Avionics (IMA) are state of the art in modern air vehicles. The planning, configuration, and integration of IMA systems is, however, one of the most effortful tasks in modern air vehicle engineering. With in the project TALIA, methods shall be developed that enable a simple, highly-automated, and graphical engineering of avionics systems. We are developing a domain-specific modeling framework for safety-critical software called DOMAINES. Part of that framework is a new model transformation language that shall be used for qualified tools and as part of safety-critical algorithms. You shall research with colleagues and industrial partners on the methods, models and evidences that make model transformation qualifiable, deterministic and efficient.

Offered is a full position payed according to the German tariff (TV-L 13). A self-controlled management of project duties, publications, and technical and scientific progress is expected.

Preferred Profile

*   PhD-eligable diploma or master in aerospace engineering or computer science
*   Background in domain-specific modeling with a clear link to aviation
*   Basic knowledge on meta-modelling and model transformations

Startdate: now

Application

Interested? Send your application including motivation, CV, and certificates to the email below. German or English both are fine.

bjoern.annighoefer@ils.uni-stuttgart.de
www.ils.uni-stuttgart.de

Application deadline: Jan 31, 2023