



PROJECT TALIA

PhD: Airworthy Domainspecific Modelling

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 all current air vehicles. IMA share computing resources in a highly safety-critical domain. Although having advantages in volume, weigh, and cost, IMA system development, integration, and configuration is very time consuming and costly. Domain-specific models and automation can reduce the effort significantly, but current methods and tools contain unsafe concepts and are based on technologies unsuitable for a productive use in aerospace tools. Within the project TALIA it shall be searched for deterministic domain-specific modeling and model transformation concepts as well as implementation that is suitable for potentially qualifieable software tools.

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 domain-specific modelling, model transformation, or data-bases
- Basic knowledge in aerospace safety and certification regulations

Application

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

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