



Automated Mission-based Satellite Structure Design (Bachelor / Master Thesis / Practical)

Modern modular and standardized satellite structures help reducing the time from mission idea to final satellite deployment. A critical point is planning the satellite design based on the mission requirements and module interdependencies. This thesis should look into automating parts of that process.

Tasks

- Formulate subsystem & reference mission requirements
- Create a planner that optimizes the satellite structure using the requirements
- **MA-Thesis:** Include 3D arrangement of subsystems in the planning process

Required Previous Knowledge

Programming skills (e.g. python), basic knowledge in CSP/planning

Language

German or English

Contact via Mail or Video Chat

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