

Advanced diagnostics in functionally safe mechatronic systems

Systems for use in extreme environmental conditions are often characterized by the fact that maintenance is very costly or not possible. Examples of this can be found in the deep sea or in space travel. One way to avoid unexpected system failures is to use advanced system diagnostics concepts that we develop and verify.

We offer:

- Theses (Bachelor or Master) and research masters (MSD) with subject-specific supervision
- Flexible working hours and independent work
- Practical experience in the field of applied Research
- Young and motivated team

Your profile:

- Degree in mechatronics, electrical engineering, computer science or similar degree programs / relevant work experience
- Knowledge in embedded systems programming
- Passionate to learn, highly motivated, responsible, independent

Your tasks:

- Independent development of innovative solution approaches for current problems of functional safety on the basis of Literature.
- Testing and implementing existing concepts for evaluating system health.
- Research and development of new diagnostic concepts based on an existing distributed mechatronic system.
- Modification of existing demonstrators or construction of new tests to verify the diagnostic and health concepts developed.



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Cooperation partners:



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