



The objective of the FLEMING project is to revolutionize the continuous function monitoring and in particular the current sensor application in power distribution grids. By using methods of artificial intelligence (AI), combined with an improvement of the associated sensor technology, a significant contribution to the success of the energy and mobility turnaround in Germany is to be made. Particular attention will be paid to the strong fluctuations in feed-in flows caused by the energy revolution and to the new demands of consumers resulting from e-mobility.

The AI radar to be developed in the project will be supplemented by the development of AI use cases to add missing components from the user's perspective. The central object of investigation is the use of AI in energy companies. The objective and result of the work is the collection, evaluation and development of the state of the art as well as suitable use cases regarding the benefit of AI methods in comparison to established classical alternatives. Thus, within the scope of the project, a differential evaluation of the relevance and potentials of identified solutions is to be made possible and the documentation of the recording and classification in the form of profiles is to be realized.

Therefore we offer from now on the possibility to create a

Bachelor / Master / project work on the topic Development of AI use cases for energy companies (grid operators)

Your tasks

- Support of a current and interesting research project,
- Independent research of scientific texts (German / English) and preparation of literature,
- Documentation of results.

We offer you

- Collaboration on scientific publications,
- Interesting and demanding tasks,
- The opportunity to acquire knowledge close to practice,
- Cooperation with renowned companies and research partners,
- The possibility of flexible time management and independent work.

Contact person

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Your profile

- Students from the fields of electrical engineering, mechanical engineering or industrial engineering,
- Very good knowledge of German and English, both written and spoken,
- Basic understanding of UML and artificial intelligence methods,
- Committed, team-oriented and independent working style.

If you are interested, please send your documents (short cover letter, curriculum vitae, certificates, current excerpt from the grade sheet) in digital form to the e-mail address given.