

Exoskeletons to avoid physical overloading in industrial jobs

Institutsvorstand

Christian Ramsauer
Univ.-Prof. Dipl.-Ing. Dr.techn.

Technische Universität Graz

Institut für Innovation
und Industrie Management
Kopernikusgasse 24/II
8010 Graz, Austria

www.iim.tugraz.at

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Industrial exoskeletons have the potential to reduce work-related musculoskeletal disorders. As part of the **ExoFitStyria** research project, the IIM is investigating the suitability and relief effect of various exoskeletons for Styrian industry, among other things.

As part of this master's thesis, exemplary use cases are to be developed and a training and test infrastructure ("Exo-Lab") is to be set up. For this infrastructure, a training course (approx. 1 day) is to be developed for industrial companies.

Tasks:

1. Development of a training and test infrastructure

- Transfer and implementation of selected industrial load situations in a laboratory environment
- Carrying out laboratory studies to demonstrate the potential relief effects of exoskeletons

2. Development of a training unit for industry on the targeted use of exoskeletons

3. Documentation and writing of a master's or bachelor's thesis

We offer an interesting task and the opportunity to actively participate in the **ExoFitStyria** research project.

Sonstiges | Misc

Duration: 6 months (paid thesis)
Start: as soon as possible
Language: English
Optional: Employment for 20h
per week in the research project

Kontakt | Contact

Ass.Prof. Dr. Matthias Wolf
matthias.wolf@tugraz.at