Lehrstuhl für Ergonomie
TUM School of Engineering and Design
Technische Universität München

Evaluating Motion Characteristics and Productivity Effects of an Upper-Body Exoskeleton in Logistics Tasks

MA

The Startup EASE is developing an active upper-body exoskeleton designed to support workers' arms and lower back in logistics environments.

Your task will be to plan, conduct, and analyze a user study guided by the research question: What motion characteristics and productivity changes do workers experience when using the exoskeleton?

To address this question, you will design a representative user study, recruit participants with diverse backgrounds, and employ a range of measurement tools, including motion-capture systems, questionnaires, and physiological vital-signal sensors.

Website:
https://ease-systems.de/
LinkedIn:
https://www.linkedin.com/company/ease-exoskeletons/

Prerequisites:

- Field of study: human factors engineering, mechanical engineering, psychology, sports science, and related fields
- Experience with planning and execution of user studies

Contact persons:

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