WearRAcon EUROPE

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October 5 – 6, 2021 • Fraunhofer IPA & University Stuttgart

Organized by:

[Logos of Wearable Robotics Association, Fraunhofer IPA, and University of Stuttgart]
EXOWORKATHLON - Performing physical work with exoskeletons in a live study

powered by Fraunhofer IPA, University Stuttgart and Wearracon Europe, in collaboration with WEARRA, Arizona State University, WEROB and Messe Duesseldorf A+A.

What is it?
• A set of work parcours for industrial upper and lower exoskeletons to show & discuss functions related to user feedback, ergonomics, metabolics and production quality.
• Intra-individual comparison of user feedback, ergonomics, metabolics and production quality in specific tasks with versus without exoskeletons.
• The specific exoskeletons used in the study are blinded in the output.
• Live study and daily statistics, watch and appreciate hard working people...

When is it?
• Wearacon Europe Conference 2021, Stuttgart, October 5-6 and
• A+A show and conference 2021, Duesseldorf Messe, 2021, October 26-29

Where does it take place?
• Stuttgart, Germany inside the Wearracon Europe Conference 2021
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Why is it interesting?
Industrial exoskeletons are fascinating new devices. They are developed and used in order to facilitate some work functions and to prevent from musculo-skeletal illnesses. They may even improve the work output quality in some cases. We want to show that. Join us in this adventure by taking part - or just by watching.

Details:
For this first issue of EXOWORKATHLON four parcours are developed based on a selection of publications, own studies and industry experiences of Fraunhofer IPA and Uni Stuttgart IFF, together with students of University Stuttgart:

- Parcours 1: Logistics – Box handling
- Parcours 2: Assembly - Above head assembly
- Parcours 3: Welding - in constraint body positions
- Parcours 4: Construction - Group task beam handling

Exoworkathlon is a registered mark in the EU by Fraunhofer and a Trademark in the USA by Fraunhofer and WEARRA.