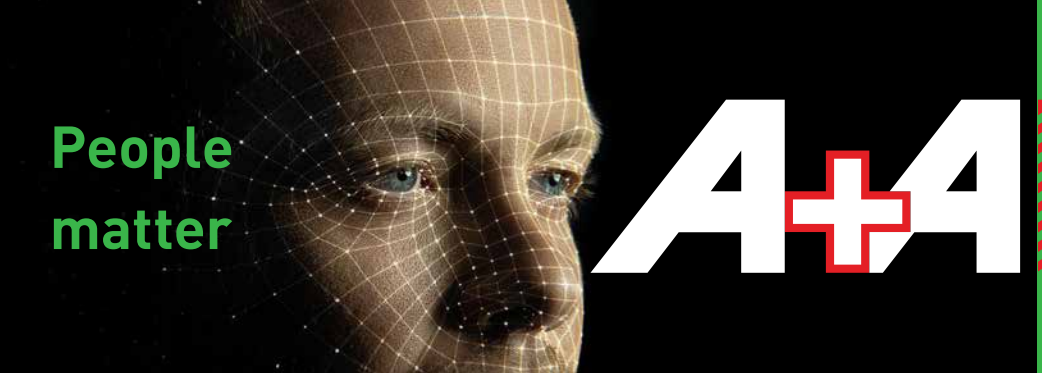


A+A

4 – 7 Nov. 2025
Düsseldorf
Germany

Messe Düsseldorf

WearRAcon EUROPE

## 5 – 6 NOVEMBER 2025 DURING A+A

### DAY 1 — 5 NOVEMBER 2025 – CCD South

| Room 2, 1st floor | | Room 01, ground floor | |
|---|---|---|---|
| 9:00 – 9:30 | **Welcome Speech**<br>Dr. Christophe Maufroy and Dr. Urs Schneider, Fraunhofer IPA | | |
| 9:30 – 10:30 | **Keynote - Generalizable human-robot interfacing: towards bio-protective robotic technologies**<br>Prof. Massimo Sartori, University of Twente | | |
| 10:30 – 10:45 | **Coffee break** | | |
| 10:45 – 12:00 | **Session A1 - Exoskeletons & Exosuits Technologies,** | 10 :45 – 11:45 | **Session A2 - Contributed Talks I** |
| 10:45 – 11:10 | **Characterizing the physical human-exoskeleton interaction**<br>Jonas Schiebl, Fraunhofer IPA | 10:45 – 11:05 | **Acceptance, Acceptability, and Change Management Support**<br>Dr. Bérenger Le Tellier, Hapo |
| 11:10 – 11:35 | **Design of active exoskeletons: lessons learned from over 10 years of research, development and assessment**<br>Prof. Tom Verstraten, Vrije Universiteit Brussel | 11:05 – 11:25 | **Effects of Training and Familiarization on Occupational Exoskeleton Performance**<br>Annina Brunner, Auxivo AG |
| 11:35 – 12:00 | **ExoLink: Event-Driven Adaptive Exoskeletons for Collaborative Industrial Tasks**<br>Dr. Nelson Enrique Bances Purizaca and Thomas Dobosz, University of Stuttgart | 11:25 – 11:45 | **Mitigating Physiological Strain During Repetitive Lifting: Insights from a Lab-Based Evaluation of Passive Back Exoskeletons**<br>Johannes Voß, Leipzig University |
| 12:00 – 13:00 | **Lunch break** | | |
| 13:00 – 14:30 | **Session B1 - Exoskeleton Evaluation and Studies I** | | |
| 13:00 – 13:20 | **Assessing the impact of exoskeletons for industrial applications**<br>Dr. Jesús Ortiz, Istituto Italiano di Tecnologia | | |
| 13:20 – 13:40 | **Evaluating Shoulder Exoskeletons in Aircraft Assembly: A Longitudinal Field Study on Biomechanical and Ergonomic Impacts**<br>Dr. Kai Heinrich, Institute for Occupational Safety and Health of the German Social Accident Insurance | | |
| 13:40 – 14:00 | **Exoskeleton Studies with Motion-Mining**<br>Dr. Rene Grzeszick, MotionMiners GmbH | | |
| 14:00 – 14:20 | **Evaluation of the physiological benefits of a passive soft back-support exoskeleton**<br>Prof. Olivier Lambercy, ETH Zurich | | |
| 14:20 – 14:30 | **Q&A** | | |
| 14:30 – 14:45 | **Coffee break** | | |
| 14:45 – 16:15 | **Session C1 - User Acceptance Factors** | 14:45 – 16:15 | **Basic Courses for Occupational Exoskeletons - Part I (in German)** |
| 14:45 – 15:05 | **Acceptance of Occupational Exoskeletons; The big challenge**<br>Israel A. Benavides Sosa, Ford Motor Company | 14:45 – 16:15 | **Einsatz von Exoskeletten im beruflichen Kontext zur Prävention von Muskel-Skelett-Erkrankungen und -Beschwerden – Aktueller Stand der Wissenschaft und Aktualisierung der Exoskelett-Leitlinie**<br>Dr. Tessy Luger, Institute of Occupational and Social Medicine and Health Services Research, University Hospital and University of Tübingen |
| 15:05 – 15:25 | **Towards a better understanding of exoskeleton acceptance**<br>Dr. Shirley Elprama, imec - SMIT - VUB/ FARI Brussels | | |
| 15:25 – 15:45 | **From Burden to Benefit: What Makes Exoskeletons Useful to Workers**<br>Dr. Sandra Maria Siedl, Johannes Kepler University Linz | | |
| 15:45 – 16:05 | **Designing Industrial Exoskeletons for Better User Acceptance**<br>Dr. Volker Bartenbach, Auxivo AG | | |
| 16:05 – 16:15 | **Q&A** | | |
| 16:15 – 16:30 | **Coffee break** | | |
| 16:30 – 18:00 | **Poster Session** | | |

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## 5 – 6 NOVEMBER 2025 DURING A+A

## DAY 2 — 6 NOVEMBER 2025 – CCD South

| Room 2, 1st floor | | Room 01, ground floor | |
|---|---|---|---|
| 9:00 – 10:00 | **Keynote - Data-driven and digital ergonomics tools – Current trends and rationale for enhancing the understanding of pathogenic factors**<br>Urban Daub, Fraunhofer IPA | | |
| 10:00 – 10:15 | **Coffee break** | | |
| 10:15 – 12:15 | **Session D1 - End Users Forum** | 10:45 – 12:15 | **Basic Courses for Occupational Exoskeletons - Part II (in German)** |
| 10:15 – 10:40 | **Exploring the Integration of Exoskeletons in Organizational Settings**<br>Marisol Barrero, Vibrantz Technologies | 10:45 – 12:15 | **Experimentelle Methoden zur Evaluation von präventiven Exoskeletten**<br>Verena Kopp, Fraunhofer IPA |
| 10:40 – 11:05 | **Field Evaluation of Industrial Wearable Exoskeletons Through Integrative Methods in Real-World Environments**<br>Dr. Sungwoo Park, Hyundai Motor Company | | |
| 11:05 – 11:30 | **Exoskeletons for people with severe disabilities**<br>Manja Ehmke, LVR and Frank Schrapper, LWL | | |
| 11:30 – 11:55 | **Strong Backs, Smart Tech – Exoskeletons in practical nursing training**<br>Katja Hertel and Marina Ebner, RoMed Hospital Rosenheim | | |
| 11:55 – 12:15 | **Exoskeletons in skilled trades in the German construction industry**<br>Felix Brandstaedt, BG BAU - Berufsgenossenschaft der Bauwirtschaft | | |
| 12:15 – 13:15 | **Lunch break** | | |
| 13:15 – 14:30 | **Session E1 - Evaluation Methods, Standards and Guidelines** | 13:15 - 14:20 | **Session E2 - Contributed Talks II** |
| 13:15 – 13:40 | **ESO-EAWS 2.0 Certification: Integrating exoskeleton use into biomechanical risk assessment**<br>Dr. Mattia Antonelli, Fondazione ERGO-MTM Italia and Huan Xu, Politecnico di Milano | 13:15 – 13:35 | **A novel autonomous torque-based mechanism synthesis method for exoskeleton robot**<br>Dr. Neunghwan Yim, Hyundai Motor Group |
| 13:40 – 14:05 | **ASTM Standards at Work: How They're Powering the Exoskeleton Market**<br>Nora Nimmerichter and Sara Gobbi, ASTM International | 13:35 – 13:55 | **Bridging the Interaction Gap: Developing Usable Human–Machine Interfaces for the Xotrunk Exoskeleton**<br>Dr. Olmo Alonso Moreno Franco, Istituto Italiano di Tecnologia |
| 14:05 – 14:30 | **Exoskeletons as potential intervention for reducing physical demands and preventing musculoskeletal disorders in workers**<br>Dr. Tessy, Luger, Institute of Occupational and Social Medicine and Health Services Research, University Hospital and University of Tübingen | 13:55 – 14:20 | **Toward Effective Control Strategies for Powered Exoskeletons**<br>Dr. Mohamed Bouri, Ecole Polytechnique Fédérale de Lausanne |
| 14:30 – 14:45 | **Coffee break** | | |
| 14:45 – 16:15 | **Session F1 - Exoskeleton Evaluation and Studies II** | 14:45 – 16:15 | **Basic Courses for Occupational Exoskeletons - Part III (in German)** |
| 14:45 – 15:05 | **Insights from short- and long-term field studies of an upper-limb passive exoskeleton**<br>Dr. Simona Crea, Scuola Superiore Sant'Anna | 14:45 – 16:15 | **Digitale Methoden zur Evaluation und Implementierung von präventiven Exoskeletten**<br>Dr. Mark Tröster, Fraunhofer IPA and University of Stuttgart |
| 15:05 – 15:25 | **Exoskeletons in a Military Context**<br>Minke Geerts, TNO | | |
| 15:25 – 15:45 | **Exoskeletons in Construction: Validation in Relevant Environment**<br>Dr. Christian Di Natali, Istituto Italiano di Tecnologia | | |
| 15:45 – 16:05 | **The ROI Case: Unpacking the Latest Evidence on Exosuits Boosting Performance and Reducing Workplace Injuries**<br>Dr. Mark Harris, HeroWear | | |
| 16:05 – 16:15 | **Q&A** | | |
| 16:15 – 16:30 | **Coffee break** | | |
| 16:30 – 18:00 | **Visit Exo Park** | | |

Status of 16 October - subject to change