



fondazioneergo
Partner of MTM ASSOCIATION

EXO Ergo 2020



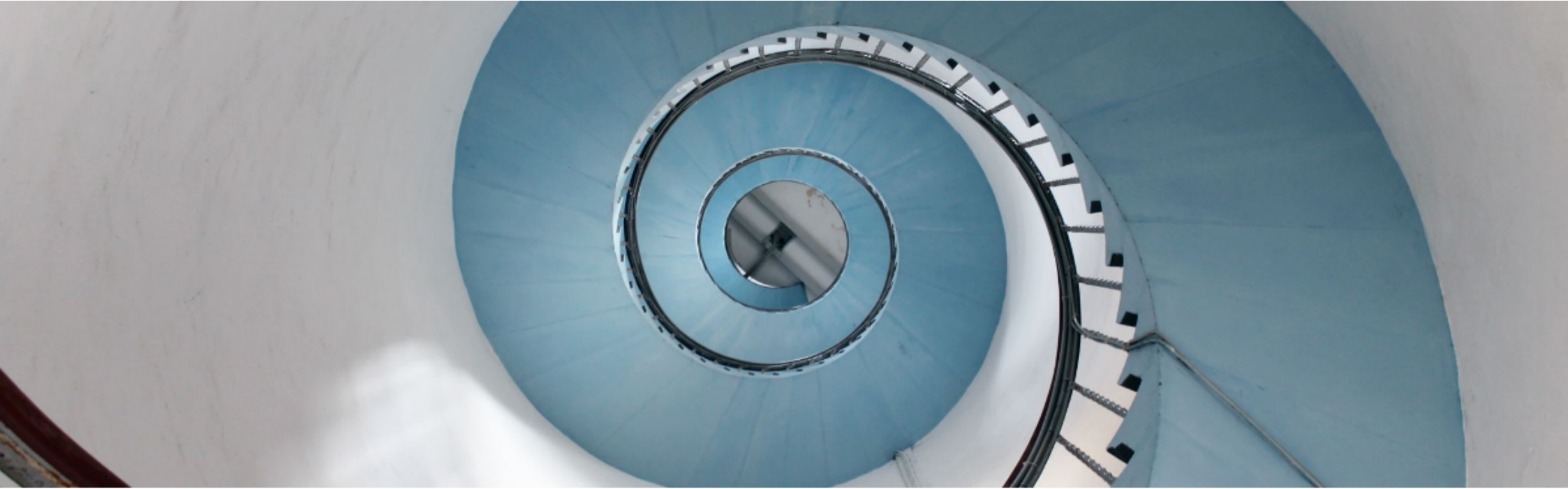
WHAT IS THE FUTURE OF EXOSKELETONS IN INDUSTRY?

 **25 NOV**

 **4-6 PM**

 **WEB**

www.fondazioneergo.it



Fondazione Ergo, with the full support of EAWS Platform and One-MTM Network, together we are glad to invite you to the first edition of the annual **EAWS International Symposium**, developed to discuss open challenges in **industrial ergonomics** and **innovation in workplace design**.

In this first edition, entitled EXO-Ergo 2020, you will witness international speakers from academia, institutions, industries and research centres discussing “**The future of exoskeleton in the manufacturing industry**”.

Built from the exchange of experiences and views, researchers and users from all around the world will present the state-of-the-art of industrial exoskeleton studies in **ergonomic risk management** and **industrial engineering**. The Symposium will encompass discussions on the adoption of exoskeletons in terms of **existing standards, safety regulations, effectiveness** and **acceptance**.

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The EXO-Ergo 2020 Talks you won't want to miss!

- 1** **EXO-Ergo Talks** will present the state of the art of type, field of application, certification and workplace risk assessment of industrial exoskeleton. EAWS International Platform will chair a special session on the ESO-EAWS project.
- 2** **Experience Talks**, with the contribution by 3 global automotive makers being Fiat Chrysler Automobiles, Volkswagen and General Motors, will be very relevant to get a comprehensive picture of the current scenario and future expectations.
- 3** **Sciences and Standards Talks** will focus on research activities and standard projects.

PROGRAM NOVEMBER, 25TH

4.00 pm **EAWS Platform, a bridge to efficiently connect ergonomic research with industry**
Gabriele Caragnano

EXO-Ergo TALKS

4.15 pm **Development of active exoskeletons for industry: challenges and advantages**
Jesus Ortiz

4.30 pm **Relevance of exoskeletons for industrial ergonomics in manufacturing**
Ralph Bruder

4.40 pm **Presentation of EXO-EAWS project**
Francesco Violante

EXPERIENCE TALKS

Application experiences of exoskeletons from the automotive industry

4.50 pm **Exoskeletons in the industrial use - a balancing act between expectations and practical demands**
Martin Haselhuhn and Lydia Cyganski

5.00 pm **Exoskeletons in automotive industry: investigation into the applicability in FCA**
Chiara Carnazzo

5.10 pm **Application experiences of exoskeletons from the automotive industry: GM**
Robert Fox and Ryan Porto

SCIENCE & STANDARDS TALKS

5.20 pm **Guidelines and research activities about the use of exoskeletons by the Association of the Scientific Medical Societies**
Benjamin Steinhilber

5.35 pm **ASTM International Exo Technology Center of Excellence: First Round of Research to Standards Projects**
Borislav Marinov

5.50 pm **Q&A and closing**

SPEAKERS



GABRIELE CARAGNANO
Partner, PwC
Technical Director, Fondazione Ergo



JESUS ORTIZ
Researcher, head of XoLab group
Advanced Robotics
IIT Central Research Labs Genova



RALPH BRUDER
EAWS Scientific Committee Chairman
Professor, Faculty of Mechanical Engineering
Director, Darmstadt University of Technology



FRANCESCO VIOLANTE
EAWS Scientific Committee
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Alma Mater Studiorum Bologna University



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Head of Industrial Engineering,
Volkswagen Group



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Exoskeleton Project Global Responsible,
Fiat Chrysler Automobiles



ROBERT FOX
Technical Fellow, Ergonomics,
General Motors



RYAN PORTO
Technical Specialist, Ergonomics,
General Motors



BENJAMIN STEINHILBER
Professor, Department of Internal Medicine
and Head of research on work-related stress-
work design, Tübingen University



BORISLAV MARINOV
Founding Partner, ASTM Exo Technology
Center of Excellence
Founder, Exoskeleton Report

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