

Seminar

Emergent risks in industry 4.0: innovative approaches for safety and security

Promoted by:

Inail - Department of technological innovations and safety of plants, products and anthropic settlements (Dit)

ISSA – Section on Machine and System Safety

Scientific committee

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INAIL



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INTERNATIONAL SOCIAL SECURITY ASSOCIATION

Section on Machine and System Safety

VISION ZERO

Safety.Health.Wellbeing.

Rome, November 25th 2019

Inail, "Sala del Parlamentino", 1st floor
Via IV Novembre, 144

PROGRAM

- 9:00 Registration
- 9:30 Welcome
Ing. Carlo De Petris, Inail, Italy
Dr. Jürgen Schulin, BGN, Germany
- Plenary Session**
Moderators:
H. Jurgen Bischoff, ISSA, Germany
Ernesto Del Prete, Inail, Italy
- 9:45 Immersive experiences through augmented, virtual and mixed reality: uses, challenges and opportunities
Prof. Enzo Pasquale Scilingo, Pisa University, Italy
- 10:15 Near misses management in the framework of Seveso legislation
A valuable resource for more effective inspections
Dr. Paolo Bragatto, Inail, Italy
- 10:45 Cybersecurity
Cyber-physical security threats to OSH in Industry 4.0
Dr. George Loukas, Greenwich University, UK
- 11:15 *Coffee break*
- 11:30 Integrating exoskeletons and Industry 4.0
Developing exoskeletons for the industry of today
Ing. Jesús Ortiz, Italian Institute of Technology, Genoa, Italy
- 12:00 Cobots: present and future
Industrial application, operating modes and critical issues in collaborative robots
Ing. Fabio Pera, Inail, Italy
- 12:30 Green world – safe and sound?
Decentralized ecological energy production: OSH challenges and risks for SMEs in planning and safe handling
Dr. Oswald Losert, ISSA Section Chemistry/BGRCI, Heidelberg, Germany
- 13:00 Early Stage Safety Planning via Virtual Modelling
The pros and cons of using mighty software
Prof. Dr. Rudolf Pichler, Technical University Graz, Austria
- 13:30 *Light lunch*
- 14:15 Maintenance via remote access
Risk assessment from the point of view of occupational health and safety
Dr. Thomas Schulz, BGHM, Düsseldorf, Germany
- 14:45 Training 4.0 – competence development for OSH in the industry 4.0 era
Dr. Ruediger Reitz, Institute for Work and Health of German Social Accident Insurance (IAG), DGUV Academy, Dresden, Germany
- 15:15 Final discussion
- 16:00 Closure