

## INFORMATIONS

### CONGRESS VENUE

**FIRENZE FIERA**  
Piazza Adua, 1 - 50123 Florence Italy

### ABSTRACT INFORMATION

Abstract must be submitted only on the Congress Website [www.iea2018.org](http://www.iea2018.org)

### DEADLINE SUBMISSION:

**30 September 2017**  
Closing Call for Special Session, Symposium, Workshop and short course

### 30 November 2017

Closing Call for Abstract

### 30 December 2017

Closing Call for History and stories of Human factors

### CONGRESS LANGUAGE

English

### ECM INFORMATION

The 20<sup>th</sup> International Ergonomics Association (IEA 2018) will be accredited for the Italian Continuing Medical Education (ECM)

### HOTEL ACCOMMODATION

The CME PROVIDER Organizing Secretariat NET offers – in cooperation with the Florence Convention Bureau – the opportunity to IEA 2018 Delegates to book Hotel Rooms at special rates directly on [www.iea2018.org](http://www.iea2018.org) and look at the “Hotels” section

[WWW.IEA2018.ORG](http://WWW.IEA2018.ORG)



**NeT Congress & Education S.r.l.**  
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### REGISTRATION FEE

To register to the Congress please visit the Congress web site [www.iea2018.org](http://www.iea2018.org) and click on “Registration”.

Registration fees (Eur) - VAT included (22%)

	<b>BEFORE April 30<sup>th</sup>, 2018</b>	<b>FROM April 30<sup>th</sup>, 2018</b>
<b>IEA members &amp; Federated Societies Members</b>	€ 671,00	€ 793,00
<b>NON members</b>	€ 915,00	€ 995,00
<b>Registration fee for low medium income countries*</b>	€ 585,60	€ 671,00
<b>Students</b>	€ 305,00	€ 366,00
<b>Students from low medium income countries**</b>	free	free

\* Low medium income countries: all countries except for High Income Countries as listed at the World Bank (see HIC list on <http://data.worldbank.org/income-level/high-income>)

\*\* The prerequisite for accepting the registration at free student fee is the presentation of an abstract. The nomination of participants at free registration fee will be evaluated by the Scientific Committee of the congress

Registrations will be accepted only by filling the online registration form on [www.iea2018.org](http://www.iea2018.org) and paying directly online (by pay pal, credit card - VISA, Mastercard, Amex - or by wire transfer).

### REGISTRATION FEE INCLUDES

Congress Kit, Attendance Certificate, Scientific Session Access, Coffee Breaks & Lunches

## PRELIMINARY PROGRAM

**SUNDAY, AUGUST 26, 2018**

08.30 - 19.00 Opening Registration

09.00 - 13.30 **WORKSHOPS**  
• Automotive • Musculoskeletal Disorders • Aviation  
• Work Load Analysis • Crisis Management

13.30 - 14.30 LUNCH

14.30 - 16.30 **OPENING CERIMONY + PLENARY MANUFACTURING**  
Human Robot Collaboration

16.30 - 19.00 **PARALLEL SESSIONS**  
• Human Factors in Fashion Cultural Heritage and Tourism • Human Factors in Bank and Financial Services • Design Methods • Human Factors Agriculture and Food

19.00 WELCOME COCKTAIL

**MONDAY, AUGUST 27, 2018**

08.30 - 19.00 Opening Registration

09.00 - 11.30 **PARALLEL SESSIONS**  
• Healthcare Ergonomics • Robots and Automation  
• Musculoskeletal Disorders • Management  
• Wellbeing at Work • Design

**INTEREST GROUPS**  
• Certification and International Standard (ISO)  
• Post Graduate Excellence in Human Factors  
• Innovation and Cutting Edge-technology

11.30 - 12.00 COFFEE BREAK

12.00 - 13.30 **PLENARY SESSION**  
Healthcare, Imaging technology

13.30 - 14.30 LUNCH AND POSTER SESSIONS

14.30 - 17.30 **PARALLEL SESSIONS**  
• Cognitive Ergonomics in Aviation And Automotive  
• Training and Simulation • Reliability, Resilience and Human Error • Anthropometry • Industrial Process and Production Lines • Urban and Rural Planning

**SPECIAL SESSIONS**  
• Human Factors in Surgery • Human Factors and Energy Grid

17.30 - 18.00 COFFEE BREAK

18.00 - 19.00 **PLENARY SESSION**  
Automotive, bank/insurance

19.00 WELCOME COCKTAIL,  
ERGONOMICS BY DEMOCRACY

**TUESDAY, AUGUST 28, 2018**

09.00 - 11.30 **PARALLEL SESSIONS**  
• Healthcare Ergonomics and Patient Safety  
• Robots and Automation • Musculoskeletal Disorders • Management • Wellbeing at Work  
• Design For All

**INTEREST GROUPS**  
• International Cooperation for Human Factors  
• Post Graduate Excellence in Human Factors  
• Innovation and cutting edge-technology

11.30 - 12.00 COFFEE BREAK

12.00 - 13.30 **PLENARY SESSION**  
Product Design, Fashion

13.30 - 14.30 LUNCH AND POSTER SESSIONS

14.30 - 17.30 **PARALLEL SESSIONS**  
• Cognitive Ergonomics • Training and Simulation in Aviation • Reliability, Resilience and Human Error • Anthropometry • Industrial Process and Production Lines • Urban and Rural Planning

**SPECIAL SESSIONS**  
• Human factors in Surgery • Human factors in Intensive care • Human factors in Sports and Recreation

17.30 - 18.00 COFFEE BREAK

18.00 - 19.00 **PLENARY SESSION**  
Agriculture, Food

19.00 SOCIAL DINNER

09.00 - 11.30 **PARALLEL SESSIONS**  
• Healthcare ergonomics • Robots and Automation  
• Musculoskeletal disorders in agriculture  
• Management • Wellbeing at work • Product Design

**SPECIAL SESSIONS**  
• WHO - Human factors for global health • International Labour Organization and Human factors  
• International Commission on Occupational Health

**WEDNESDAY, AUGUST 29, 2018**

11.30 - 12.00 COFFEE BREAK

12.00 - 13.30 **PLENARY SESSION**  
Energy, Mining

13.30 - 14.30 LUNCH AND POSTER SESSIONS

14.30 - 17.30 **PARALLEL SESSIONS**  
• Cognitive Ergonomics • Training and Simulation in healthcare • Reliability, Resilience and Human Error • Gender issue • Industrial Process and Production Lines • International Cooperation for Human Factors

**SPECIAL SESSIONS**  
• Human Factors and Machine Learning • Human Factors in Intensive Care • Human Factors in Latin Culture

17.30 - 18.00 COFFEE BREAK

18.00 - 19.00 **PLENARY SESSION**  
Aerospace and Transport

19.00 SOCIAL TOUR

**THURSDAY, AUGUST 30, 2018**

09.00 - 11.30 **PARALLEL SESSIONS**  
• Visual/Auditory Ergonomics • Human Factor in Manufacturing • Human Factor in Mining  
• Human Factor in Building and Construction  
• Human Factors and Ageing • Human Factors in Educational Environment

11.30 - 12.00 COFFEE BREAK

12.00 - 13.30 **PLENARY SESSION**  
Education, Recreation

13.30 - 14.30 LUNCH AND POSTER SESSIONS

14.30 - 16.00 **PARALLEL SESSIONS**  
• Human Factors in Advanced Imaging and Technology • Human Factors and Ageing  
• Design • Human Factors and Decision Making  
• Human Factors in Educational Environment  
• Training and Simulation

16.00 - 19.00 **PLENARY SESSION + CLOSING CERIMONY**  
Future of Ergonomics, WHO, Awards



20<sup>th</sup> CONGRESS

# INTERNATIONAL ERGONOMICS ASSOCIATION

FLORENCE 26<sup>th</sup> August / 30<sup>th</sup> August 2018



First Announcement

## RATIONALE

The 20<sup>th</sup> International Conference of the International Ergonomics Association (IEA) 2018 to be held at Palazzo dei Congressi, Firenze, Italy, August 26-30, 2018.

The Italian Society of Ergonomics (SIE) is pleased to host the 20<sup>th</sup> international IEA conference. Human factors and Ergonomics, is the scientific discipline that seeks to understand and improve human interactions with products, equipment, environments and systems. Drawing upon human biology, psychology, engineering and design, Ergonomics aims to develop and apply knowledge and techniques to optimize system performance, whilst promoting the health, safety and well-being of individuals involved. The attention of Ergonomics extends across work, leisure and other aspects of our daily lives.

The theme of IEA 2018 conference is "Creativity in Practice": refers to the typical challenge of the Italian way to innovation engaged to transform the results of research on innovation in concrete actions to improve the quality of life and work. In addition, creativity in practice is a valuable skill to break taken-for-granted schema and dealing with uncertainty both in high and low and medium income countries developing new modalities of work. In an interconnected world with multifaceted views on complex challenges, creativity is a component of human activity, which ergonomics and human factor need to take into account in order to improve human condition and wellbeing.

The conference objective is to provide a platform for the human factors community to meet, exchange information on research projects and generate knowledge and ideas fostering theoretical and applied areas of Human Factors and Ergonomics.

**Sebastiano Bagnara**  
President of the Scientific Committee

**Riccardo Tartaglia**  
IEA2018 Chair

**Sara Albolino**  
IEA2018 Co-Chair

## MAIN TOPICS

- Activity Theories for Work Analysis and Design
- Aerospace Human Factors and Ergonomics
- Affective Design
- Aging
- Agriculture
- Anthropometry
- Auditory and Vocal Ergonomics
- Building and Construction
- Ergonomics for Children and Educational Environments
- Ergonomics in Advanced Imaging
- Ergonomics in Design
- Ergonomics in Design for All
- Ergonomics in Manufacturing
- Gender and Work
- Healthcare Ergonomics
- Human Factors and Sustainable Development
- Human Simulation and Virtual Environments
- Mining
- Musculoskeletal Disorders
- Organizational Design and Management
- Process Control
- Psychophysiology in Ergonomics
- Safety & Health
- Slips, Trips and Falls
- Transport Ergonomics and Human Factors (TEHF)
- Visual Ergonomics
- Work With Computing Systems – WWCS

## ORGANIZING COMMITTEE

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(EinDfA)

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