

## INFORMATION

### CONGRESS VENUE

FIRENZE FIERA CONGRESS & EXHIBITION CENTER  
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:

**16<sup>th</sup> October 2017**

Closing Call for Special Sessions,  
Workshops and Short Courses

**30<sup>th</sup> November 2017**

Closing Call for Abstracts and Symposia

**30<sup>th</sup> December 2017**

Closing Call for History and Stories of Human Factors

The Congress Proceedings  
will be published with:



Springer

### CONGRESS LANGUAGE

The official language of the Congress is **English**.

### ECM INFORMATION

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

### HOTEL ACCOMMODATION

The CME PROVIDER Organizing Secretariat NET offers 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)

CME PROVIDER AND  
ORGANIZING SECRETARIAT

net Congress & Education  
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e-mail: [iea2018@netcongresseducation.com](mailto:iea2018@netcongresseducation.com)

### REGISTRATION FEE

To register for 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%)

	BEFORE April 30 <sup>th</sup> , 2018	FROM April 30 <sup>th</sup> , 2018
<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

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Work With Computing Systems  
- WWCS



20<sup>th</sup> CONGRESS

# INTERNATIONAL ERGONOMICS ASSOCIATION

FLORENCE August 26<sup>th</sup>-30<sup>th</sup>, 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<sup>th</sup>-30<sup>th</sup>, 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

## PRELIMINARY PROGRAM

The program is tentative, more information about scheduled sessions will be available on Jan. 2018

SUNDAY, AUGUST 26 <sup>th</sup> , 2018	08.30 - 19.00	Opening Registration
	09.00 - 13.30	<b>WORKSHOPS</b> • Automotive • Musculoskeletal Disorders • Aviation • Work Load Analysis • Crisis Management
	13.30 - 14.30	LUNCH
	14.30 - 16.30	<b>OPENING CERIMONY + PLENARY MANUFACTURING</b> Robots Human Collaboration
MONDAY, AUGUST 27 <sup>th</sup> , 2018	16.30 - 19.00	<b>PARALLEL SESSIONS</b> • 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
	08.30 - 19.00	Opening Registration

TUESDAY, AUGUST 28 <sup>th</sup> , 2018	09.00 - 11.30	<b>PARALLEL SESSIONS</b> • Healthcare Ergonomics • Robots Human Collaboration • Musculoskeletal Disorders • Management • Wellbeing at Work • Design
	11.30 - 12.00	COFFEE BREAK
	12.00 - 13.30	<b>PLENARY SESSION</b> Healthcare, Imaging technology
	13.30 - 14.30	LUNCH AND POSTER SESSIONS
WEDNESDAY, AUGUST 29 <sup>th</sup> , 2018	14.30 - 17.30	<b>PARALLEL SESSIONS</b> • Cognitive Ergonomics in Aviation And Automotive • Training and Simulation • Reliability, Resilience and Human Error • Anthropometry • Industrial Process and Production Lines • Urban and Rural Planning
	17.30 - 18.00	COFFEE BREAK
	18.00 - 19.00	<b>PLENARY SESSION</b> Agriculture, Food
	19.00	SOCIAL DINNER
THURSDAY, AUGUST 30 <sup>th</sup> , 2018	09.00 - 11.30	<b>PARALLEL SESSIONS</b> • Healthcare ergonomics • Robots Human Collaboration • Musculoskeletal disorders in agriculture • Management • Wellbeing at work • Product Design
	11.30 - 12.00	COFFEE BREAK
	12.00 - 13.30	<b>PLENARY SESSION</b> Education, Recreation
	13.30 - 14.30	LUNCH AND POSTER SESSIONS
FRIDAY, AUGUST 31 <sup>st</sup> , 2018	14.30 - 16.00	<b>PARALLEL SESSIONS</b> • 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	<b>PLENARY SESSION + CLOSING CERIMONY</b> Future of Ergonomics, WHO, Awards
	19.00	SOCIAL DINNER
	08.30 - 19.00	Opening Registration

SATURDAY, AUGUST 31 <sup>st</sup> , 2018	18.00 - 19.00	<b>PLENARY SESSION</b> Automotive, bank/insurance
	19.00	WELCOME COCKTAIL, ERGONOMICS BY DEMOCRACY
	09.00 - 11.30	<b>PARALLEL SESSIONS</b> • Healthcare Ergonomics and Patient Safety • Robots Human Collaboration • Musculoskeletal Disorders • Management • Wellbeing at Work • Design For All
	11.30 - 12.00	COFFEE BREAK
SUNDAY, AUGUST 1 <sup>st</sup> , 2018	12.00 - 13.30	<b>PLENARY SESSION</b> Product Design, Fashion
	13.30 - 14.30	LUNCH AND POSTER SESSIONS
	14.30 - 17.30	<b>PARALLEL SESSIONS</b> • Cognitive Ergonomics • Training and Simulation in Aviation • Reliability, Resilience and Human Error • Anthropometry • Industrial Process and Production Lines • Urban and Rural Planning
	17.30 - 18.00	COFFEE BREAK
MONDAY, AUGUST 2 <sup>nd</sup> , 2018	18.00 - 19.00	<b>PLENARY SESSION</b> Agriculture, Food
	19.00	SOCIAL DINNER
	09.00 - 11.30	<b>PARALLEL SESSIONS</b> • Healthcare ergonomics • Robots Human Collaboration • Musculoskeletal disorders in agriculture • Management • Wellbeing at work • Product Design
	11.30 - 12.00	COFFEE BREAK
TUESDAY, AUGUST 3 <sup>rd</sup> , 2018	12.00 - 13.30	<b>PLENARY SESSION</b> Education, Recreation
	13.30 - 14.30	LUNCH AND POSTER SESSIONS
	14.30 - 16.00	<b>PARALLEL SESSIONS</b> • 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	<b>PLENARY SESSION + CLOSING CERIMONY</b> Future of Ergonomics, WHO, Awards

WEDNESDAY, AUGUST 29 <sup>th</sup> , 2018	11.30 - 12.00	COFFEE BREAK
	12.00 - 13.30	<b>PLENARY SESSION</b> Energy, Mining
	13.30 - 14.30	LUNCH AND POSTER SESSIONS
	14.30 - 17.30	<b>PARALLEL SESSIONS</b> • Cognitive Ergonomics • Training and Simulation in healthcare • Reliability, Resilience and Human Error • Gender issue • Industrial Process and Production Lines • International Cooperation for Human Factors
THURSDAY, AUGUST 30 <sup>th</sup> , 2018	17.30 - 18.00	COFFEE BREAK
	18.00 - 19.00	<b>PLENARY SESSION</b> Aerospace and Transport
	19.00	SOCIAL TOUR
	09.00 - 11.30	<b>PARALLEL SESSIONS</b> • 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
FRIDAY, AUGUST 31 <sup>st</sup> , 2018	11.30 - 12.00	COFFEE BREAK
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