



# 27<sup>th</sup> INTERNATIONAL CONFERENCE ON EMERGING TECHNOLOGIES AND FACTORY AUTOMATION

# 2022

# STUTTGART, GERMANY SEPTEMBER 6<sup>th</sup>-9<sup>th</sup> 2022

## AIM

The ETFA conference brings together experts from industry and academia to disseminate and discuss novel ideas and emerging trends, research results and practical achievements in the area of industrial and factory automation. The ultimate goal is to foster the development and adoption of scientific methods, models, and tools for the efficient design and operation of industrial and factory automation systems.

## SOLICITED PAPERS

Research papers • Survey papers • Work-in-progress papers • Industry practice papers

## TECHNICAL TRACKS

- ❖ Information Technology in Automation  
Track Chairs: Alois Zoitl, Austria; Wolfgang Kastner, Austria
- ❖ Industrial Communication Technologies and Systems  
Track Chairs: Svetlana Girs, Sweden; Federico Tamarin, Italy
- ❖ Real-Time (and Networked) Embedded Systems  
Track Chairs: Gaetano Patti, Italy; Mohammad Ashjaei, Sweden
- ❖ Automated Manufacturing Systems  
Track Chairs: Martin Wollschlaeger, Germany; Tobias Kleinert, Germany
- ❖ Industrial Control  
Track Chairs: Marian Barbu, Romania; Ramon Vilanova, Catalonia
- ❖ Computer Vision and Human-Machine Interaction in Industrial and Factory Automation  
Track Chairs: Javier Silvestre-Blanes, Spain; Giancarlo Iannizzotto, Italy
- ❖ Intelligent Robots & Systems  
Track Chairs: Raul Suarez, Spain; Andrea Bonci, Italy
- ❖ Intelligent Sensors, Sensor Networks, and Information Processing  
Track Chairs: Alessondro Biondi, Italy; Frank Golasowski, Germany
- ❖ Complex Automation Systems and Systems Engineering  
Track Chairs: Arndt Lueder, Germany; Luca Ferrarini, Italy
- ❖ Artificial Intelligence for Cyber-Physical Systems in Automation  
Track Chairs: Daswin De Silva, Australia; Stamatis Karnouskos, Germany
- ❖ Vehicular Embedded Systems  
Track Chairs: Saad Mubeen, Sweden; Ramez Daoud, Egypt

## SPECIAL SESSIONS

Special Sessions provide the opportunity to focus on particular emerging topics that are not covered in the conference's main technical tracks and/or to stimulate in-depth discussions in special areas relevant to the conference theme.

## BEST PAPER AWARDS

Best paper awards in Factory Automation and Emerging Technologies will be presented at the conference banquet dinner.

## SUBMISSION OF PAPERS

The working language of the conference is English. Two types of submissions are solicited. Regular papers are limited to 8 double column pages in a font no smaller than 10-points. Work-in-Progress and Industry Practice papers are limited to 4 double column pages in a font no smaller than 10-points. Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the Authors section.

## PAPER ACCEPTANCE

Each accepted paper must be presented at the conference by one of the authors, otherwise the ETFA 2022 Organizing Committee reserves the right to exclude it from distribution after the conference to IEEE Xplore. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees must pay the conference registration fee and their travel, accommodation, and other personal expenses.

## WORKSHOPS

Workshop proposals to address cutting edge research and developments in technological sciences are welcome. The Workshops will be held on Sept. 6, 2022.

## INDUSTRY DAY

The Industry Day offers an opportunity to exchange views with researchers and practitioners from academia and industry. The Industry Day will be held on Sept. 6, 2022.

## CONFERENCE VENUE

The ETFA 2022 will take place at the University of Stuttgart, Germany (<https://www.uni-stuttgart.de/en/>) a leading technically oriented University in Germany. Stuttgart is located in the charming South of Germany, a cultural metropolis with an excellent reputation and tradition of inventors (<https://www.stuttgart-tourist.de/en/thats-stuttgart>).

## COMMITTEE MEMBERS

- ❖ **General Chairs**  
Michael Weyrich, Germany  
Marco Porta, Italy
- ❖ **Program Committee Chairs**  
Marina Indri, Italy  
Antonio Visioli, Italy
- ❖ **Work-in-Progress Co-Chairs**  
Cristian Mahulea, Spain  
Paulo Pedreiras, Portugal
- ❖ **Special Session Co-Chairs**  
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Lucia Lo Bello, Italy  
Tullio Facchinetti, Italy
- ❖ **Workshop Co-Chairs**  
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Luca Leonardi, Italy
- ❖ **Finance Co-Chairs**  
Carmen Hennebach, Germany  
Peter Palensky, The Netherlands
- ❖ **Women in engineering, Young researchers**  
Larisa Dunai, Spain

## IMPORTANT DATES (2022)

- ❖ **Regular and special sessions papers**

Submission deadline	April 1
Acceptance notification	May 6
Deadline for final papers	June 17
- ❖ **Work-in-progress papers**

Submission deadline	May 13
Acceptance notification	June 10
Deadline for final papers	June 17
- ❖ **Workshop proposals**

Submission deadline	March 4
Acceptance notification	March 11
- ❖ **Special Session proposals**

Submission deadline	January 28
Acceptance notification	February 11

