FAIM2020

The 30th Flexible Automation and Intelligent Manufacturing Conference (FAIM2020) is the milestone of 30 years of the Conference's continuous presence in the International Manufacturing scene addressing both technology and management aspects. It also signifies a landmark in the Conference's steering, organisational and scientific standards. FAIM Conference has been run in 26 cities in 14 countries in Europe, America and Asia. It has the right size, i.e. neither huge to become impersonal nor small to become insignificant. It is known for its excellent, non-antagonistic and encouraging atmosphere.

NTUA

FAIM2020 is hosted by National Technical University of Athens, Greece's oldest and most prestigious Technical University. School of Mechanical Engineering is a centre of excellence in education and predominantly in research, concerning, among others, Manufacturing and Industrial Engineering.

Theme and topics

The theme of FAIM2020 is '*Multiple, complementary and evolving facets of modern manufacturing: holistic synthesis*' pointing to its four thematic pillars underpinned by automation and intelligence streams:

Manufacturing processes
- new and innovative processes
- new and innovative processed materials
- precision engineering and manufacturing
- processing at the micro and nano scales

Machine tools
- design and dynamics
- numerical control and mechatronics
- accuracy and metrology
- intelligent machine tools
- process and condition monitoring

Manufacturing Systems
- new manufacturing paradigms
- flexible/ Intelligent automation incl. collaborative robots (RRC, HRC etc.)
- system lifecycle engineering
- process planning, production planning / scheduling / control
- quality control and inspection, TQM
- logistics and supply chain engineering
- ergonomics, health and safety
- education and training

Enabling technologies
- applied Artificial Intelligence
- Machine Learning
- Virtual / Augmented Reality and Digital Twins
- computational geometry
- CAD / CAM
- manufacturing networks and security
- ontologies and information modelling

High visibility publications

All papers presented at FAIM2020 will be published as 'gold open-access' in *Procedia Manufacturing* (Elsevier), indexed by Scopus. Alternatively, authors may opt for submission to *Robotics and CIM* or *International Journal of Advanced Manufacturing Technology*, following a special 'fast track' reviewing process. A post-conference special issue for selected papers has been agreed with *International Journal of Computer Integrated Manufacturing*.

Athens

Athens is the gateway to Greece, both ancient and modern. Sprawling at the feet of the holy rock of the Acropolis with its monuments symbolizing everlasting spiritual values, modern Athens, a bustling metropolis, retains its unbreakable links with its glorious past and traditions. Its marked privileges as a conference venue include:
- World-class destination
- Excellent weather
- Friendly and hospitable people
- Easy access to local beaches, 400 islands as well as diverse, largely undiscovered, mainland.
- World famous classical and byzantine antiquities.

Comprehensive and balanced Conference Programme

The conference will run from 15 to 18 June 2020 at the Royal Olympic Hotel in the vicinity of the Acropolis. The programme will balance in the right proportions high-quality paper presentations, high calibre keynote speeches, industrial visits, a varied social program exploiting the natural and cultural treasures of Athens as well as a taste of the greek way of enjoying life.

Further information

Site: www.faimconference.org , email: faim2020conference@gmail.com , facebook: faimconference, twitter: @faim2020 .
Abstract submission for papers and special sessions deadline: 1 November 2019.