



## SUPPLEMENTARY CALL FOR PAPERS

Following the shifting of 30th FAIM to June 2021 and the successful publication of 294 papers in its Proceedings ahead of the event, the Organising Committee aims to reinforce the hope that an excellent scientific and social event will finally take place with in-person attendance. In this light, a supplementary Call-for-Papers is issued.

### FAIM2021

The 30th Flexible Automation and Intelligent Manufacturing Conference (FAIM2021) 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.

FAIM2021 is hosted from 15 to 18 June 2021 in Athens, Greece, 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.

FAIM2021 venue is [Royal Olympic Hotel](#) in the vicinity of the Acropolis. The programme will balance high-quality paper presentations, high calibre keynote speeches, industrial visits, a varied social program exploiting Athens natural and cultural treasures and a taste of the greek way of enjoying life. Athens is a world-class destination, with excellent weather, friendly people, easy access to local beaches, 400 islands and undiscovered mainland, as well as world famous classical and byzantine antiquities.

### Theme and topics

The theme of FAIM2021 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

### Paper submission

Papers are solicited within the topics outlined above. Full papers (max 8 pages long) should be submitted through the ConfTool platform (<https://www.conftool.com/faim2020/>) by **31 January 2021**. They will be reviewed by 28 February 2021 and be published as 'gold open-access' in *Procedia Manufacturing* (Elsevier) (SiteScore: 1.9, Scimago Q2 and indexed by Scopus). Special issues for selected appropriately extended papers has been agreed with International Journal of Computer Integrated Manufacturing, Flexible Services and Manufacturing Journal, Journal of Manufacturing and Materials Processing (MDPI) and Sensors (MDPI).

The main terms remain as in the original call, i.e.

- Each accepted paper bears a handling fee of 125 euros which is payable immediately upon its acceptance through registration of its presenting author.
- If the presenting author cannot participate in the Conference in person, due to CoVid-19 related circumstances, no extra participation fee will be due, i.e. the handling fee will suffice for paper publication purposes. If the presenting author opts to show up in person, the full amount of the corresponding participation fees will be reduced by the handling fees already paid.
- Each author can present up to two papers, irrespective of the call (original or supplementary).

### Further information

Site: [www.faimconference.org](http://www.faimconference.org) , email: [faim2021conference@gmail.com](mailto:faim2021conference@gmail.com) , facebook: [faimconference](#), twitter: [@faim2021](#).