

²²CMH - REQUEST FOR PRESENTATIONS for the Scientific and Technical Congress

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PRESENTATION

The 22nd edition of the Advanced and Digital Manufacturing and Machine Tools Congress will be held in San Sebastian, in the **Science and Technology Park in Gipuzkoa, on 23, 24 and 25 of October 2019.**

The Congress will offer technical presentations related to the most interesting and relevant topics in the field of advanced and digital manufacturing and will be an excellent forum to establish connections and collaborations among participants.

STRUCTURE AND THEME

The Congress is structured around the following events:

- A scientific and technical conference based on structured technical presentations focusing on the topics defined (15 minutes of presentation plus 5 minutes of Q & A) - speakers are hereby requested for this Congress.
- Informative Congress with presentations of interest around the concerns of industrial companies related to the technologies of advanced and digital manufacturing.
- Poster section according to selection by the programme committee.
- Round tables directed and supported by the programme committee.
- Networking events.
- Exhibition area.
- Special events for young technical engineering students.
- Special events for start-ups related to advanced manufacturing technologies.

THEME

The **theme** of the congress will be the following:

- Machine tools and their components
- Cutting tools
- Advanced manufacturing processes
- Additive manufacturing
- Smart and adaptive manufacturing systems (including traceability)
- Digital, virtual and efficient companies (including "Digital Factory")
- Man-machine collaboration
- Sustainable manufacturing
- Customer-based manufacturing
- Training and talent

Priority will be given to presentations addressed to groups present in the field of:

- The sector of conventional and non-conventional metal cutting and metalforming.
- The automation and process integration sector. Automation of processes; integration of robots and automation, etc.
- User sectors linked to automotive, aeronautics, energy and railway.
- The automation and integration of "Connected ICT" solutions (Industry 4.0) in the field of machine tools.
- New Manufacturing Processes, especially additive manufacturing.
- Integration of processes in specific solutions for manufacturing, test beds, etc.

In addition, priority will be given to those presentations that are approximately placed on TRL \geq 5.

Prizes will be awarded to the most relevant and innovative presentations: the most innovative presentation submitted by a company, and the best presentation submitted by the scientific and technical community in the Congress, as well as the "Best Final Project from a Technical School", related to manufacturing.

The participation of companies will be prioritized, whether they be alone or accompanied by technological partners in which technological offer-demand cooperation is evidenced.

This Call for Abstracts refers to the technical programme of the congress that is evaluated by the scientific and technical committee. Additionally, the organization of the congress will manage special presentations, "on-request" presentations and sponsor presentations.

PUBLICATION OF PRESENTATIONS

As a novelty in this edition, the Organization of the Congress makes available to the speakers the possibility of publishing their presentations in a JCR journal with an impact index of 0.52 (in 2017). This is the Dyna Journal with which AFM has reached a collaboration agreement. This journal accepts written works in both English and Spanish from the field of research and development, such as works derived from doctoral theses and national and international projects. Dyna is a peer-reviewed journal whose content is reviewed by external experts through a double-evaluation process (the rules for the publication of the article in the Journal are attached). When submitting the article for evaluation and subsequent publication, the author grants non-exclusive publication rights to Publicaciones Dyna.

The option of publishing each presentation in the Dyna Journal is voluntary and optional. Each author will make the decision on a case-by-case basis, funding the specific costs for publication in the journal (€ 450/article).

The Scientific and Technical Committee of the Congress will not take into account in its evaluation whether or not the presentation will be published in the journal, rather it will exclusively look at the eligibility criteria established for the presentation of the abstract in the 22nd Congress.

REQUIREMENTS OF THE ABSTRACTS

The speaker should take into account the following:

- Only work that is published for the first time will be admitted.
- The speakers assign ownership of the copyright to the Congress Organization.
- Special care should be taken to ensure that presentations are not of a commercial nature or include advertising content, although, as is logical, there is no objection to the inclusion of the names of the companies or brands that developed the research, or to which the researchers belong.
- The communications must be oriented to problems of the industry that are already solved, or in the process of being solved.
- The practical applicability of the work must be reflected in the presentation.

DEADLINE FOR THE SUBMISSION OF PROPOSALS

Those interested in participating in this new edition of the Congress as speakers, must complete the attached form and submit it, before **31 January 2019**, to: koro.etxeberria@afm.es.

The Technical and Scientific Committee will study the proposals and before 28 February 2019, will provide information on its provisional acceptance.

FILL THE FORM IN