

Call for Nominations for the IFAC Major Awards:
Giorgio Quazza Medal, Nathaniel B. Nichols Medal, Manfred Thoma Medal,
Industrial Achievement Award, High Impact Paper Award

According to the provisions as outlined for the IFAC Major Awards, the IFAC NMOs and the IFAC Technical Committee Chairs as well as other individuals are invited to nominate a candidate (candidates) for one or more of these awards. The nomination should be uploaded electronically at

<https://ifac.papercept.net/conferences/scripts/submissionwizard.pl?ConfID=467>
no later than

February 15, 2022

The nominations should in general contain a curriculum vitae of the candidate, a summary of his/her major contributions, a proposed citation and the names of three referees. Specific details for the awards are listed below. Nominations should be submitted as a single pdf file through PaperCept, by following the submission instructions provided at:

<https://ifac.papercept.net/conferences/scripts/submissionwizard.pl?ConfID=467>

It is the nominator's role to inform the people listed as referees to send in an electronic reference form with an assessment of the candidate(s). The reference form should be uploaded to PaperCept by March 15, 2022 (see above).

Reference forms are available at

<https://www.ifac-control.org/awards/major-awards-reference-forms>

For each of the Major Awards, a selection committee has been appointed. All awards will be presented by the IFAC President at the Opening Ceremony of the 2023 IFAC World Congress in July 2023 in Yokohama, Japan.

Every individual can act as nominator or referee, with the exception of members of the corresponding Major Award Selection Committee, the Major Awards Search Committee, IFAC Executive Officers and members of the IFAC Council. Self-nominations are not allowed.

It may be useful to consider the list of past winners on the IFAC Website, at
<https://www.ifac-control.org/awards>

Please note that it is possible to resubmit a nomination that was made in the past.

A more detailed description of the several Awards, including selection criteria, follows below:

GIORGIO QUAZZA MEDAL
(Created 1979)

This IFAC award recognizes lifetime achievements in science and engineering in any of the technical fields covered by IFAC. The contributions should be manifested in technical publications. A nominee should have served IFAC in some capacity, formally or informally. The selection criteria are:

- Quality of publications
- Impact of publications
- Engineering significance
- Service to IFAC
- International recognition

Nominations should contain a curriculum vitae of the candidate, a summary of his/her major contributions and an account of their impact, a proposed citation and the names of three referees.

NATHANIEL B. NICHOLS MEDAL
(Created 1996)

This IFAC award recognizes industrial leadership, outstanding contributions of an individual to design methods, software tools and instrumentation, or significant projects in major applications and advancement of control engineering.

The award is given for contributions in any of the technical fields of IFAC. The contributions should be manifested in technical publications, patents or reports documenting completed projects or developed products. The selection criteria are:

- Quality of publications
- Impact of publications
- Innovation level of patents
- Impact of patents
- Engineering significance of products and projects
- International recognition

Nominations should contain a curriculum vitae of the candidate, a summary of his/her major contributions and an account of their impact, a proposed citation and the names of three referees.

MANFRED THOMA MEDAL
(Created 2015)

This is an IFAC award for early career achievements that recognizes outstanding contributions of a young researcher and/or engineer under the age of 40 to the field of systems and control in its widest sense. For the award to be given at the 2023 World Congress candidates are eligible that were born after January 1, 1983. (Age verification, such as passport copy may be requested.)

Candidates are assessed by their scientific and technical contributions to the field of systems and control. The selection criteria are:

- Quality and impact of publications
- Engineering significance
- International recognition

Involvement in IFAC is not part of the criteria.

Nominations should contain a curriculum vitae of the candidate, a summary of the major achievements in terms of the selection criteria above, a proposed citation and the names of three referees.

INDUSTRIAL ACHIEVEMENT AWARD (Created 2000)

The IFAC Industrial Achievement Award is given to an individual, or a team of individuals, who has made significant contributions to industrial applications of control in any of the technical fields covered by IFAC. The award can be given for a single achievement (an invention or the leadership of a major project) or a record of achievements over a period of time. There is no requirement that the nominated candidates must have been involved in IFAC. The selection criteria are:

- Inventions in the control area
- Engineering significance of products and projects
- Industrial leadership
- Promotion of control technology in industry
- Impact of patents
- International recognition

Nominations should contain a curriculum vitae of the candidate(s), a summary of the major achievements in terms of the selection criteria above, a proposed citation and the names of three referees.

HIGH IMPACT PAPER AWARD (created 2009)

This award is to acknowledge the impact of a paper published in any of the official IFAC journals on the broad areas of automatic control theory and applications. At most two such awards will be made in any triennium.

Eligible papers must have been published in any of the official IFAC Journals (*Automatica*, *Control Engineering Practice*, *Annual Reviews in Control*, *Journal of Process Control*, *Engineering Applications of Artificial Intelligence*, *Mechatronics*, *Nonlinear Analysis: Hybrid Systems*). For the award(s) to be given at the 2023 Congress, only papers published within the time period from 1 January 1993 through 31 December 2014 are eligible.

The selection criteria are:

- Evidence of high number of citations, as obtainable from either (or both) the engineering databases: Thompson ISI's Web of Science and Elsevier's SCOPUS.
- Evidence that the work under consideration has been actually used by others in their research/professional activity.

- Opinions expressed by three references from internationally reputed experts in the field who are personally aware of the contributions of the nominated paper.

Nominations should include:

- A statement specifying the number of citations, as obtainable from either (or both) the engineering databases: Thompson ISI's Web of Science and Elsevier's SCOPUS;
- Excerpts of technical papers documenting work and progress made possible due to the prior contributions of the nominated paper. Papers (co)authored by one of the authors of the nominated paper cannot be used for this purpose.
- A description (if appropriate) of industrial achievements made possible due to the prior contributions of the nominated paper.
- The names of three internationally reputed experts that can serve as referees.