

Education Paper Awards for world congress 2020

Best paper in control education at the IFAC world congress 2020

Sponsored by EMERALD GROUP (www.emerald.com)

Details: The best paper winners and/or runners will be given the opportunity to publish a paper in the Education and Learning Gateway on our Open Research platform <https://emeraldopenresearch.com/>. There is usually a \$1200 minimum article processing charge for this platform and the authors will get the chance to publish their work with open peer review and an open data policy, the research will be freely available to read, download and reuse, reaching a truly global audience. Emerald would also offer 40 downloads to an Emerald journal of their choosing. Publication is not guaranteed as all submissions have to meet the criteria of the platform which can be found here: <https://emeraldopenresearch.com/about/policies>. Award winners will also be given a certificate.

The award will be made using the following methodology.

1. A shortlist will be constructed based on the independent reviews collected for the conference, using the grade descriptors as the most important factor.
2. The shortlist will be individually ranked by the TC9.4 executive team, a member of the emerald group and 1-2 others if required to ensure independence.
3. Based on these gradings, the committee will make a decision.
4. The award will be presented at the world congress during the TC9.4 committee meeting.

Typical Assessment Criteria

1. Does the paper describe a new pedagogy or hardware/software advance?
2. Are the results supported by good quality evaluation?
3. Is the paper well written?
4. Can the results be easily adopted elsewhere without excessive resource or support?

Best paper in control education learning tools at the IFAC world congress 2020

Sponsored by Mathworks (contact Melda Ulusoy)

Details: These prizes are likely to be taken from the papers in the open invited sessions on laboratories and learning tools and benchmarks. The focus is on tools for education, software or hardware, that international colleagues can adapt into their teaching.

The prizes will comprise a certificate and in addition a MathWorks swag bag.

The award will be made using the following methodology.

1. A shortlist will be constructed based on the independent reviews collected for the conference, using the grade descriptors as the most important factor.
2. The shortlist candidates will be individually ranked by the TC9.4 executive team, a member of the Mathworks group and 1-2 others during the presentations at the congress.
3. Based on these gradings, the assessors will make a decision.
4. The award will be presented at a convenient point during the world congress depending on the timing of all the relevant control education sessions.

Assessment criteria

How simple is the tool for students to use? For example does it require a significant training period or not?

How simple is the tool for staff to adopt and modify?

Does the tool cover learning outcomes which are a common requirement for engineering students?

Is the tool effective and is there evidence of this?

How accessible is the hardware/software including consideration of cost and implementation in University frameworks?