



MNE2022 poster award

Poster Competition Rules

1. While submitting an abstract to the MNE2022 conference, the author must select YES under the option “MNE 2022 Poster Contest”.
2. The lead author must be present for the Poster Session throughout the Section’s Poster Viewing/Interactive Forum. The poster needs to be composed in English and the discussion language is English. The poster size needs to be A0, portrait.
3. If won, the “Best MNE2022 Poster Award” will be handled only to the presenting author.
4. The award will be announced and handled during the MNE gala dinner.
5. By registration to the MNE poster competition, authors confirm that if granted a prize, a) that they are ready to accept the award and b) they will be present at the MNE gala dinner to be handled their prize. These two conditions are mandatory. Authors entering the best poster competition must not forget to register to the MNE gala dinner.
6. The awardees must accept to be recommended as an invited talk to one of the MNE sister conferences: <https://www.eipbn.org/> in the USA, and <http://imnc.jp/> in Japan.

Procedure

The posters will be **evaluated per topic** and there will be four Best Poster Awards:

- Topic 1: Novel Developments in Nano/Micro Fabrication Methods and Processes
- Topic 2: Fabrication and Integration of Micro/Nano Structures, Devices and Systems
- Topic 3: Micro/Nano Engineering for Physical and Chemical Applications
- Topic 4: Micro/Nano Engineering for the Life Sciences

The evaluation shall be done in **three phases**.

The first phase is based on the assessment of the abstract reviewers and shall be considered as a pre-selection.

The second phase is done during the poster-session by a team of examiners and shall be based on criteria mentioned in the next section.

In the third phase, the evaluators of each topic will get together towards the end of the second poster session and decide on the ranking. The winning poster is identified. If no agreement is found between evaluators, the posters are revisited by an additional examiner.

Criteria

Phase I

A certain number of posters of each topic shall be selected for phase 2, based on their score during the MNE abstract review process. The examiners are free to enlarge this number. A reason for including more posters in phase 2 could be that several posters receive the same average grade, or that while screening the poster session a specific poster attracts the attention of the examiners.

An excel file will be provided, containing the full list of participating posters and their grading by the reviewers. The posters are listed with descending total grading. There will be three thresholds indicated for each topic:

- a) top 20 posters
- b) top 25%
- c) above 72 points of total grading points

Moreover, it is indicated how many posters, which meet the respective criterion, are presented on Tuesday, and how many on Wednesday.

Phase 2

The evaluation during the poster session is done based on the poster as such and on an interview conducted with the presenter. Each examiner independently prepares a ranking of the posters in his/her topic. While emphasizing **communication** and **graphical design**, the following 3 points should be considered, e.g., assessed by the listed, indicative questions:

1. Communication

- a. Is the poster graphically appealing? Does it attract the attention?
- b. Is the text readable from a distance?
- c. Is there a “red thread” through the poster or is it simply a collection of pictures and graphics?
- d. Is there a clear message that is understandable also **without** explanations by the presenter?
- e. Are the oral explanations of the presenter sound?
- f. Does the poster and presenter stimulate a discussion?

2. Scientific content

- a. Is the presented material scientifically correct?
- b. Is the research new, innovative? Does it generate important basic knowledge?
- c. Is there sufficient evidence / statistics / documentation for the claimed conclusions?
- d. Are the scientific methods and reasoning sound?

3. Application

- a. Is the research of high relevance? Does it address an important problem? Is it time-relevant?
- b. Has the presenter the background knowledge to position his/her work in a larger context?
- c. Does the research lead to a device, improvement, or description/model of a process?
- d. How close is the research from reaching an application/implementation in a process? Is there a clear strategy for implementation?

Phase 3

At the end of the second MNE poster session, all examiners will meet, for each track. Based on the scores obtained during phase 2, a list of ‘top’ three awardees will be established. The first awardees (winner) will be communicated by Wednesday 18:00, through email and/or phone call, that they are selected first, reminding them to be present during the poster

award ceremony (i.e., attend the MNE gala dinner). At 19:00, the names of the winners are transmitted to the company sponsoring the MNE poster award, so that their names can be written on the awards.

Team of Examiners

A president will chair and manage the contest. For each track, three examiners will be selected by the MNE program co-chairs. These examiners must have proven an excellent track of records in a field related to their track and show enough seniority to be able to evaluate any poster from the track according to the criteria mentioned above. The examiners names will be released publicly during the gala dinner, before handing the prizes. The examiners can be part of the iMNEs, co-chairs, MNE scientific committee (reviewers), MNE invited speakers, but this is not mandatory. If an examiner has a conflict of interest with some posters, he is requested to mention that to his peers before the start of the poster evaluation. He will be forbidden to review and score the poster for which he has a conflict; he will not influence the discussions if this poster is considered for the award.

President (2022): *Urs Staufer (University of Delft, The Netherlands)*

Track 1: Novel Developments in Nano/Micro Fabrication Methods and Processes

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Track 2: Fabrication and Integration of Micro/Nano Structures, Devices and Systems

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Track 3: Micro/Nano Engineering for Physical and Chemical Applications

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Track 4: Micro/Nano Engineering for the Life Sciences

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