



PRACE Ada Lovelace Award for HPC

Terms of Reference

Updated 8 November 2024 – As approved by PRACE Council (with updated timeline)

The **PRACE Ada Lovelace Award for HPC** is annually presented to a female scientist who makes an outstanding contribution to and impact on HPC in Europe and the world, and serves as a role model for women who are at the start of their scientific careers.

1 Eligibility criteria

- Researchers of any nationality can be nominated
- Eligible candidates must have 2-7 years of experience since completion of PhD¹ (excluding parental leave)
- The winner of this award must be a female scientist working in academia or industry who is currently working in Europe or has been working in Europe during the past three years.

Self-nominations are allowed.

2 Review criteria

The Prize Committee will give the award to the individual best fulfilling the overall vision of the award.

More specifically, the following criteria will be used:

- Impact in computational science at a global level. (high)
- Impact in High performance computing at a global level. (high)
- Role model for women beginning careers in HPC. (medium)

The Prize Committee will determine how these criteria will be weighted across fields, and no feedback will be provided to individual applications.

A motivation and short paragraph will be provided to the winner.

3 Prize Committee

The committee will be formed by six (6) persons representative of the HPC and related technologies User Communities, with the majority of the committee members being world-renowned international scientists. Amongst these six (6) members, three (3) will come from the PRACE Council and three (3) will be external scientists, i.e. outside the Council and possibly without any formal relationship with PRACE.

The Science Section of the PRACE Council will form the list of six (6) members by taking into account diversity in its different forms: field of expertise, gender, country, academy (university, national labs) / industry. The Science Section will also elect a Chair from among the listed members.

The committee will (partially) change every two (2) years.

The PRACE Council will approve the committee members.

¹ Completion of PhD must be understood as the certified date of successful PhD defence.

For the year 2024, the committee members are

- Edouard Audit, Chair of the Prize Committee and Vice-Chair of the PRACE Council Science Section
- George Biros
- Jack Dongarra
- Vincent Galinier, Chair of the PRACE Council Industry Section
- Norbert Meyer, Chair of the PRACE Council HPC Centres Section
- Nathalie Reuter

The prize will be awarded by the Chair of the Prize Committee or the Council Chair.

The Prize Committee will receive secretarial support of the PRACE Office in the persons of Marjolein Oorsprong, Head of Communications, and Catarina Simões, Peer Review Officer.

4 Description of the selection process

The Committee will first establish in detail the methodology used for evaluating each application. They will then meet at least once by video conference, discuss all the applications, and select the winner. We expect convergence is reached through discussions. In the event of voting and a tie, the chair is not voting.

The committee reserves the right to not award the prize.

5 Conflicts of interest

PRACE rules on conflicts of interest will be applied once the list of nominations is known.

6 Timeline

The call will be open on 12 November 2024.

The call for nominations will close on 15 December 2024.

The winner(s) of the award will be notified by 10 January 2025.

The prize will be presented at the annual PRACE event or another high-level HPC event in Europe, held within a year the award is won, to be decided by the Prize Committee depending on the internal timeline of the selection process.

For the 2024 Award, the prize will be presented at the PRACE Intersection Seminar on 5 February 2025, in the form of a 30-minute plenary talk during the keynote slot of the event (shared slot with the 2024 PRACE HPC Excellence Award).

7 Award

The award will consist of a prize sum of € 1 000, as well as a certificate and an engraved trophy.

8 Notification of the award

The winner(s) of the award will be notified by 10 January 2025. They commit to give a plenary talk at the PRACE Intersection Seminar or at another high-level HPC event in Europe (travel and accommodation costs covered by PRACE).



9 Nomination Form

The nominations must be submitted via the PRACE Peer Review Platform. For any question on the submission process on the platform, please sent an e-mail to peer-review@prace-ri.eu.

Please use the submission platform <https://pracecalls.eu/>.

The nomination form covers the following elements:

Nominator (if applicable)

Name
Title/Position
Institution
E-mail

Nominee(s)

Name
Title/Position
Institution
E-mail

1. Nomination Statement

A nomination statement addressing why the candidate should receive this award, including a reply to the three selection criteria (see above) in detail within half page each (**max 300 words each**).

2. Curriculum Vitae

The nominee's CV including certificates, list of publications (with indication of the h-index), and honours. The Prize Committee may contact the nominee to verify elements from their CV.

3. Support letters

Each application may be accompanied by up to three support letters, in addition to the nomination statement. Each letter should be at most **2 pages** long and written by a single individual. Each letter should support the nomination statement, including references to the three selection criteria (see above).

The support letter(s) must be submitted with the nomination application on the submission platform.