TRILLION PARAMETER CONSORTIUM (TPC)
PARTICIPATING ORGANIZATIONS

***Jan 2025* - 82 Worldwide**

TPC Executive Committee:
This committee comprises the directors of three founding organizations:
Rick Stevens, Argonne National Laboratory, Mateo Valero, the Barcelona Supercomputing Center (BCN), and Satoshi Matsuoka, RIKEN. These leaders provide strategic guidance, shape high-level policies, and oversee organizational memberships.

TPC Planning and Strategy Team:
Charles Catlett, Argonne National Laboratory, Fabrizio Gagliardi, BCN, Kyoung-Sook Kim, AIST.
The planning and strategy team offers input on how TPC can best serve the global community. It manages the TPC calendar, suggests new working groups, and assists in organizing and hosting TPC conferences, hackathons, tutorials, and other events. Its members include individuals from a variety of organizations, ensuring international representation.

TPC Technical Steering Group:
Ian Foster, Argonne National Laboratory, Rio Yokota, Institute of Science Tokyo, Laura Morselli, CINECA.
This group focuses on the technical direction and operational aspects of TPC's working groups. It helps minimize duplication of effort, identifies opportunities for synergy, and plans events such as hackathons and workshops. The TPCSG sets goals, evaluates progress, and encourages continuous improvements in the consortium's technical output.

PARTICIPATING ORGANIZATIONS

Designates Top 10 of the Top 500 system

Americas

1. Allen Institute For AI
2. Argonne National Laboratory
   (#3 Aurora)
3. Brookhaven National Laboratory
4. Caltech
5. Deep Forest Sciences
6. Fermilab National Accelerator Laboratory
7. Harvard University
8. Indiana University
9. Lawrence Berkeley National Laboratory
10. Lawrence Livermore National Laboratory
    (#1 El Capitan -- #10 Tuolumne)
11. Los Alamos National Laboratory
12. National Center for Supercomputing Applications
13. National Energy Technology Laboratory
14. National Renewable Energy Laboratory
15. Northwestern University
16. Oak Ridge National Laboratory
    (#2 Frontier)
17. Pacific Northwest National Laboratory
18. Princeton Plasma Physics Laboratory
19. Princeton University
20. Purdue University
21. Rutgers University
22. Sandia National Laboratories

23. San Diego Supercomputer Ctr
24. SLAC National Accelerator Laboratory
25. Stanford University
26. Stonybrook University
27. Texas Advanced Computing Center
28. Thomas Jefferson National Accelerator Facility
29. Université de Montréal
30. University of Arizona
31. University of Buffalo
32. University of California San Diego/San Diego Supercomputer Center
33. University of Chicago
34. University of Delaware
35. University of Illinois Chicago
36. University of Illinois Urbana-Champaign
37. University of Michigan
38. USC / Information Sciences Institute
39. University of Toronto – Acceleration Consortium
40. University of Utah
41. University of Virginia
42. University of Washington

Vendors

1. AMD
2. AWS
3. Cerebras Systems
4. Groq
5. HPE
6. Intel
7. Microsoft ***(# 4 Eagle, Azure cloud)***
8. Nvidia
9. SambaNova
10. Together AI

EMEA

1. Barcelona Supercomputing Center
2. ETH Zürich
3. CEA
4. CINECA ***(#9 Leonardo)***
5. CSC – IT Center for Science ***(#8 LUMI)***
6. CSCS, Swiss National Supercomputing Centre ***(#7 Alps)***
7. INESC TEC
8. INRIA
9. Juelich Supercomputing Center
10. Leibniz Supercomputing Centre
11. LAION, Large-Scale AI Open Network
12. Max Planck Computing & Data Facility (MPCDF)
13. STFC Rutherford Appleton Laboratory, UKRI
14. SURF.nl

Asia Pac

1. AI Singapore
2. A*Star
3. Australian National University
4. CSIRO, Commonwealth Scientific and Industrial Research Organisation
5. Flinders University
6. Institute of Science Tokyo (formerly Tokyo Tech)

7. National Institute of Advanced Industrial Science and Technology (AIST)
8. National Supercomputing Centre, Singapore
9. NCI Australia
10. New Zealand eScience Infrastructure
11. Pawsey Institute
12. RIKEN ***(#6 Fugaku)***
13. Seoul National University
14. University of New South Wales
15. University of Tokyo

Vendors

1. Fujitsu Limited
2. Kotoba Technologies, Inc.
3. Sony Research

Membership

Any organization that wishes to become a formal member of TPC can apply for membership by submitting a letter of collaboration. This letter must affirm the organization's commitment to TPC's goals, responsible AI principles, and openness. Each organizational member must designate a point of contact and grant TPC permission to list the organization publicly as a participant.
While organizational membership is encouraged, it is not mandatory to attend public events. Many individuals from non-member organizations still participate in meetings, seminars, or hackathons. However, organizational membership signals a deeper institutional commitment and may facilitate more substantial collaborations.

Letter of Collaboration

(on organizational letterhead)
We understand that the Trillion Parameter Consortium (TPC) is an open, international consortium of organizations working together to accelerate the processes and technologies for building the world's most powerful artificial intelligence (AI) models for scientific use, through processes and with policies exemplifying responsible AI principles.

<organization> shares the TPC goals of:

- *building an open community of researchers creating state-of-the-art large-scale generative AI models for science and engineering,*
- *incubating, launching, and facilitating coordination and collaboration for specific projects building such models, and*
- *creating a global network of resources and expertise to facilitate teaming and training of next-generation AI researchers.*

We believe in AI's transformative potential for science, engineering, and technology. We are committed to transparency, fairness, and ethical AI practices, including aligning with scientific and

government guidelines, promoting transparency, mitigating bias, ensuring trustworthiness, protecting privacy, fostering collaboration, and embracing adaptability in our AI development.

<organization> wishes to apply to become a member of TPC. As a member of TPC, <organization> will actively collaborate and contribute effort and insights to support TPC goals and principles for AI safety, security, and trust.

I designate <name, title, email address> as the representative of <organization> and authorize TPC to include <organization> by name as a partner in public communications about the consortium.