

# TPC25 July 28-31, 2025 | San Jose, California

## Accelerating AI for Science & Engineering At Scale

The all-hands TPC25 conference and exhibition will convene AI leaders from industry, academia, and national laboratories along with the vendor community, funding agencies, and VCs, to develop best practices for utilizing AI for science and engineering at scale.

### WHAT IS THE TRILLION PARAMETER CONSORTIUM?

The Trillion Parameter Consortium (TPC) is a global, community-driven, open initiative founded by world-class institutions and leading AI vendors. The initiative brings together researchers, technical practitioners, and all stakeholders working across AI and HPC in support of science and engineering. There are currently 82 active member organizations within TPC, and all organizations are encouraged to apply for membership.

TPC aims to advance and accelerate the responsible, open, and safe development of large-scale AI capabilities for scientific and engineering applications. Its community represents the intersection of AI and HPC, encompassing not only the science of AI and the use of AI for scientific discovery, but also the challenges of harnessing the necessary extreme scale systems spanning data and computation.

TPC is a pioneering community dedicated to enabling large-scale AI for science and engineering. By building an open environment, nurturing diverse collaborations, and aligning resources with the evolving needs of the global scientific community, TPC advances the frontier of AI while adhering to principled, responsible, and transparent development. Learn more about TPC [here](#).

### ALIGN YOUR COMPANY WITH

TPC25 is an all-hands meeting that will convene leaders from global AI organizations in industry, academia, and national laboratories to explore collaboration across these sectors, with the goal of accelerating advances in AI to responsibly and safely address today's scientific and engineering grand challenges. Attending institutions will be developing the very best AI modalities for science and engineering, and all industries will be sitting at the table to collaborate in their development. Grab your seat at the table with GM, Chevron, Pfizer, etc. and share your contributions with these AI leaders and customers.

The theme for TPC25 is to explore and pursue collaborations between industry and public sector AI research, including those building and utilizing AI capabilities, infrastructure, and applications.

**Hackathon:**  
July 28-July 29

**General Conference:**  
July 29-31

Expected attendance based on prior events: 350-500 participants

For more information or to sponsor TPC25, please email [tpc25@taborcommunications.com](mailto:tpc25@taborcommunications.com).

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## GENERAL CONFERENCE

Plenary Sessions will take place July 29-31 and are open to all conference attendees. Topics and speakers are TBD as per TPC Steering and Program committees, and will be announced over the coming months. Open public breakouts will take place between plenaries, July 30-31. Breakouts are organized like mini-workshops with 1/3 of the time for lightning talks and 2/3 of the time for discussion. Please see the breakout abstracts and lightning talk line-up from [TPC's Barcelona Conference](#) for examples of breakout topics for TPC25.

Other breakout topics might include:

- **GraphRAG for Drug Discovery:** How drug companies are using GraphRAG to accelerate drug discovery by seeding foundation models with ground truth from knowledge graphs.
- **The State of AI Reasoning Models in Science:** How reasoning models such as Deepseek-R1, OpenAI O3-mini, and Anthropic Claude 3.5 Sonnet have the potential to upend the search for scientific discovery.
- **GenAI Needs New Hardware:** As AI workloads evolve, so do their hardware requirements, and bigger might not be better. How might the future be more distributed?

## TPC25 HACKATHONS

The primary mode of engagement within TPC is participation in working groups: self-organized, community-driven teams that focus on specific technical or domain areas. Many working groups have identified collaborative projects, and pre-conference hackathons provide opportunity to synchronize, plan, and make progress on those projects in person. These sessions are open to currently active working group participants, as well as others by invitation; registration for TPC25 allows registrants to apply for an invite. Please see the [Fall 2024 Hackathon Report](#) for examples of hackathon topics for TPC25.

## TPC25 TUTORIALS

TPC places special emphasis on education by offering tutorials. These training opportunities help participants learn new techniques, experiment with state-of-the-art tools, and engage with mentors and experienced practitioners. TPC will be providing a full-day tutorial on Monday, July 28, and sponsors are welcome to provide appropriate half-day tutorials one Tuesday, July 29. Tutorials are open to all conference attendees, for an additional fee.

### TPC25 HACKATHON AND BREAKOUT TOPICS (current TPC working groups)

- Model Architecture and Performance Evaluation
- Data, Training Workflows, and Large Language Model Strategies
- AI Hardware Strategies at Scale
- Skills, Safety, and Trust Evaluation
- Outreach and Training
- Large Language Models for Scientific Software
- Large Language Models for Healthcare
- Biology, Biochemistry, and Bioinformatics
- Climate, Environment, and Ecology
- Engineering, Energy, and Mechanics
- Fundamental Physics and Cosmology
- Materials, Chemistry, and Nanoscience

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## SPONSORSHIP CATEGORIES

### ACADEMIC: \$5,000

- One table in either the exhibits area or at the Job Fair
- Two conference tickets

### CORPORATE: \$15,000 (\$20,000 after May 31)

- One table in the exhibits area
- Meal sponsorship for one meal (signage and acknowledgement from stage)
- Two conference tickets

*Note: Meal sponsorship is only available to the first 13 sponsors*

### PLATINUM: \$50,000 (limited to four)

- Participation on plenary panel on Science + AI Industry
- One table in the exhibits area
- One table at the Job Fair
- Four conference tickets

### FOUNDATION: \$75,000 (limited to two)

- 30-minute keynote (featuring conference-approved content)
- One table in the exhibits area
- One whisper suite for private meetings
- One table at the Job Fair
- Eight conference tickets
- One pre- and one post-event promotional email to TPC25 registrants
- First right of refusal to maintain Foundation Sponsorship in coming years

## ADDITIONAL SPONSORSHIP OPPORTUNITIES

Only available to existing Academic, Corporate, Platinum, or Foundation sponsors.

### JOB FAIR TABLES

- Academic: \$2,000
- Corporate: \$5,000

### EVENING EVENT SPONSORSHIPS

- Hackathon gathering on Monday: \$15,000 (limited to one)
- Welcome cocktail party on Tuesday: \$25,000 (limited to one)
- Wednesday evening events: \$15,000 (limited to two)

*Note: Wednesday evening events will be organized and paid for by their sponsors, but will be promoted as official TPC25 parties in the TPC25 agenda.*

### MISCELLANEOUS OPPORTUNITIES

- Half-day Tutorial: \$10,000 (limited to two)
- Lanyards: \$2,500 (limited to two)

TERMS: 50% due at signing, 50% due 30 days prior to the event.

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