

Hyperion Research

AI Advisory Committee

AI Advisory Committee Mission:

- To support the worldwide AI/HPC community by helping to answer key questions about how AI is evolving.
 - Guiding Hyperion Research AI-related studies by identifying key questions to be explored and topics to be researched.
 - A major portion of these studies will be shared with the broader AI/HPC community.
- To share ideas, best practices, and areas of concern between Committee members.

Overview of the AI Advisory Committee:

- Members are from all areas of the AI ecosystem: users, vendors, CSPs, academic experts, etc.
 - The Committee is worldwide.
 - Members are expected to understand AI technologies, topics, issues, approaches, and/or AI use cases.
 - There is no cost for membership.
- Members receive the ability to help guide Hyperion Research studies with questions that are important to the Committee members.
 - Members receive the results at least 30 days before the AI/HPC community.
- Members can participate in different ways and at different levels:
 - Email only.
 - Email and quarterly calls.
 - Calls with subgroups of the Committee.
 - Via surveys on which topics should be explored and studied.
 - Via participation in the AI surveys.
- The time commitment will be kept to a maximum of a few hours a month.

Overview of the Research Studies:

- Hyperion Research will design and conduct the AI study topics as suggested by the Committee.
- The majority of the results will be shared with the broader AI/HPC community.
- Questions to be studied can include all parts of the AI workflow, e.g.:
 - **Hardware:** Analyzing and evaluating the fit of the different processors and GPUs for different computationally intensive AI workloads.
 - **Architecture:** Pros and cons of different designs: where each approach fits best by application type, job sizes, data types and the trade-offs, and where clouds fit well.
 - **Software:** Analyzing and evaluating the end user software environment, software infrastructure, applications, tools, foundational models, etc.
 - **Emerging Trends:** Tracking and evaluating leading edge use cases, new models, new approaches, best practices, etc.
 - **End use cases:** How AI is used in all parts of the workflow.