

# NEWS RELEASE



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## FOR IMMEDIATE RELEASE:

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### Issues Facing the HPC-AI Industry:

#### Insights from the Advisory Committees of the HPC-AI Leadership Organization (HALO)

*Intersect360 Research Releases First HALO-Based Report*

**SUNNYVALE, CA—October 29, 2024—** Intersect360 Research, a leading market intelligence firm, has released a new report titled *Issues Facing the HPC-AI Industry: Insights from the Advisory Committees of the HPC-AI Leadership Organization (HALO)*.

This report gives a detailed analysis of the current landscape and the future directions of HPC and AI technologies, as well as the organizations that rely on these tools. Including independent research as well as extensive interviews with members of HALO's Advisory Committee, the study has keyed in on vital challenges and opportunities that are facing the HPC-AI sector.

Important findings from the report include:

- A lack of people trained and ready to handle new HPC-AI environments, and why this disparity remains.
- The challenges inherent in designing optimal HPC-AI architectures, including the choice between homogenous and heterogeneous systems.
- The heavy focus that must be levied on the accuracy and reproducibility of results, especially in fields like research, medicine, and engineering.

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- Ongoing concerns about portability and the ease of use in HPC-AI systems.
- Issues in the processor market concerning suitability, chip supply, and design for various HPC-AI applications.

“This report is the culmination of many discussions about and intensive research into the current state of the HPC-AI industry,” said Addison Snell, CEO of Intersect360 Research. “It is meant to serve as a valuable resource for industry professionals, researchers, and policymakers that are shaping the future of HPC and AI technologies.”

The full report is available to Intersect360 Research clients and members of HALO via the Intersect360 Research website. Leaders and decision-makers in the end user HPC-AI community who are interested in this work can apply to join HALO at no cost at <https://hpcaileadership.org> to access the report.

Intersect360 Research will discuss the report findings, along with an upcoming update to their HPC-AI market forecast, in a webinar scheduled for November 4-5, 2024. The webinar will be available in multiple time zones for clients and HALO members. Information about the webinar is available at <https://www.intersect360.com/webinar/>.

## About Intersect360 Research

Intersect360 Research is the leading market intelligence, research, and consulting advisory practice focused on high-performance data center trends, including High Performance Computing (HPC), artificial intelligence (AI) and machine learning, cloud computing, big data, and hyperscale. Intersect360 Research utilizes both user-based and supplier-based research to form a complete perspective of market dynamics, trends, and usage models, including both technical and business applications. The company's end-user-focused research is inclusive from both a technology perspective and a usage standpoint, allowing Intersect360 Research to provide its clients with total market models that include both traditional and emerging HPC applications.

In addition to its market advisory subscription services, Intersect360 Research offers customers an array of client-specific services, including custom surveys, white papers and custom analysis. More information about Intersect360 Research as well as the full slate of Intersect360 Research reports available for purchase and download can be found at [www.intersect360.com](http://www.intersect360.com).

### **About The HPC-AI Leadership Organization (HALO)**

The HPC-AI Leadership Organization (HALO) is a global cross-industry community of HPC and AI end users collaborating and sharing best practices to define and shape the future of High Performance Computing and AI technology development through its affiliation with Intersect360 Research. HALO is built on a regional structure with separate member groups in the Americas, Asia Pacific, and EMEA, allowing members to amplify their voices through discussions and the sharing of best practices on issues and technology priorities that are both global and regional. HALO member feedback and priorities help drive the analysis and research conducted by Intersect360 Research, with results shared with HPC and AI vendors and policymakers worldwide.