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AMD Expands High Performance Compute Fund to Aid Researchers Solving the World's Toughest Challenges

AMD Combines HPC Fund with Xilinx Heterogeneous Accelerated Compute Cluster (HACC) Program and Adds Seven Petaflops of Supercomputer Capacity to Power Groundbreaking Research

SANTA CLARA, Calif., June 01, 2022 (GLOBE NEWSWIRE) -- AMD (NASDAQ: AMD) today announced the expansion of its High Performance Compute (HPC) Fund with the addition of 7 petaflops of computing power to assist global researchers working to solve the most demanding challenges facing society today. AMD also announced that the AMD HPC Fund will now integrate Xilinx Heterogeneous Accelerated Compute Clusters (HACC) program, providing researchers with access to AMD EPYC™ processors, AMD Instinct™ accelerators, Xilinx Alveo™ accelerators and Xilinx Versal™ ACAPs to advance research in areas including climate change, health care, transportation, big data and more.

The new contribution brings the total amount of computing capacity donated by AMD to over 20 petaflops with a market value of more than $31 million, as of May 2022. The additional computing resources will build on the AMD COVID-19 HPC Fund that was established in 2020 to provide research institutions with computing resources to accelerate medical research on COVID-19 and other diseases.

"We are witnessing a scientific computing revolution where high-performance computing resources vastly reduce the time to insights and discovery," said Mark Papermaster, executive vice president and chief technology officer, AMD. "By broadening the AMD HPC Fund beyond COVID-19, we are putting leading-edge compute power in the hands of those that need it most - the researchers solving the world's toughest problems."

To date, AMD has donated computing systems or cloud-based computing capacity to more than 28 institutions across eight countries. Nearly 6,000 researchers have received access to AMD technologies for their projects, resulting in 55 papers published so far on key issues like disparities in COVID-19 vaccination rates by race and ethnicity and improvements in the classification of breast cancer imagery through deep vision techniques.

"As a leader in high-performance and adaptive computing, AMD has the unique ability and opportunity to support institutions that are conducting groundbreaking research for the benefit of our communities and the planet," said Susan Moore, AMD corporate vice president of corporate responsibility and international government affairs and AMD Foundation president. "The AMD HPC Fund exemplifies our commitment to our digital impact goal that 100 million people will benefit from AMD technology and philanthropy initiatives for STEM education, scientific research and the workforce of the future by 2025."

AMD will grant cloud-based access to global universities and research institutions with support from leading system partners Supermicro and WEKA.io. Research institutions and universities can apply for the new round of computing power grants by submitting their application here.

Supporting Resources

- Learn more about the AMD HPC Fund here
- Watch the video about the AMD HPC Fund here
- Learn more about the Xilinx HACC program here
- Learn more about the AMD Digital Impact goal here

About AMD

For more than 50 years AMD has driven innovation in high-performance computing, graphics and visualization technologies. Billions of people, leading Fortune 500 businesses and cutting-edge scientific research institutions around the world rely on AMD technology daily to improve how they live, work and play. AMD employees are focused on building leadership high-performance and adaptive products that push the boundaries of what is possible. For more information about how AMD is enabling today and inspiring tomorrow, visit the AMD (NASDAQ: AMD) website, blog, LinkedIn and Twitter pages.

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