Press Release

Overview of the Awarding Results of FY 2022 Call for Proposals of Research Projects using the HPCI System

> Out of 149 proposals for using the HPCI system [*1] in Period-A of Japanese Fiscal Year (FY) 2022, 121 have been selected: 49 as projects using the supercomputer Fugaku [*2], and 72 as projects using the HPCI shared computational resources other than Fugaku. Selected projects will run for one year from April 1, 2022.

Research Organization for Information Science and Technology (RIST, President: Dr. Yasuhide Tajima), as the Registered Institution for Facilities Use Promotion and the Representative for HPCI operation, has issued a public call for proposals and selected projects using the HPCI system including Fugaku in FY 2022.

A periodic call for Fugaku projects opens twice per year. The first is for Period-A projects running from April, and the second is for Period-B projects running from October. This call is for FY 2022 Period-A projects.

For FY 2022, 149 proposals were submitted, and 121 of them were selected. 49 are projects using Fugaku and 72 are projects using HPCI other than Fugaku.

12 projects are awarded HPCI computational resources as second choice of Fugaku. The selection rate is 81.2% as a whole.

52 proposals were submitted for General Access projects of Fugaku, 27 were accepted. Since FY 2021, "Priority Areas [*3]" have been set under the General Access projects based on government policies and social conditions for each fiscal year. This fiscal year's Priority Areas are "research and development of infectious disease control" and "basic research and development that contributes to next generation computing". 11 proposals were submitted in the priority areas. Of them, 7 were awarded.

The results will be notified to the representatives of the proposed projects and made available in the HPCI portal site. [*4]

The status of the application and awards

Resource	Category of Projects		Proposals Submitted	Proposals Awarded
Fugaku	General Access		52	27
		Priority Areas	11	7
	Junior Researchers		14	7
	Industrial Access		17	15
	Subtotal		83	49

HPCI shared computational resources (Note 1)	General Access	48	52 (9)
	Junior Researchers	15	16 (2)
	Industrial Access	3	4 (1)
	Subtotal	66	72 (12)
Total		149	121

(Note 1) For HPCI shared computational resources, the numbers in parentheses show the number of projects awarded the resources requested as the second choice of Fugaku. (Proposal is counted as a Fugaku project.)

(*1) HPCI (High Performance Computing Infrastructure)

The infrastructure developed by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) to realize innovative shared computational environment responding to various needs of users by connecting Fugaku and other major Japanese supercomputers in universities and research institutions via high speed academic network. The HPCI has been operated since September 2012.

(*2) Supercomputer Fugaku

The supercomputer Fugaku is co-developed by RIKEN and Fujitsu as a successor of K computer. Fugaku is created to contribute to the growth of Japan by solving social and scientific problems, and to make world-leading achievements. It has the world's top-class abilities in various ways, such as power performance, computational performance, and user-friendliness, as well as characteristics that can lead users to breakthroughs or can accelerate studies in big data and AI.

Fugaku features 158,976 processors and can perform 442,010 trillion calculations per second. It has successfully retained the top spot for four consecutive terms on all four of the major supercomputer rankings since June 2020. It is proven to have the world's top-class performance.

(*3) Priority Areas

Priority Areas are decided based on the government policies and social situations per fiscal year. Projects that are judged to fit this area will be given preference in the selection process.

(*4) HPCI portal site

http://www.hpci-office.jp/folders/english

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