

Oakforest-PACS Supercomputer System

Application Form for “Large-Scale HPC Challenge”

Date:

To: The Director of the Joint Center for Advanced High Performance Computing (JCAHPC)

I hereby apply for the “Large-Scale HPC Challenge” for the Oakforest-PACS Supercomputer System.

Project applicant Name					
Requested date of use <u>*Please check the schedule for the initiative, and fill in up to three preferred dates.</u>	1st choice	(DD/MM/YYYY)			
	2nd choice	(DD/MM/YYYY)			
	3rd choice	(DD/MM/YYYY)			
Affiliation/Department/Designation					
Contact address					
E-mail		TEL		FAX	

Memory mode (Please select the memory mode that you will be using on the day of the Large-Scale HPC Challenge)

- ☐ 1. flat mode
- ☐ 2. cache mode
- ☐ 3. flat mode and cache mode

[Check this only if you selected 1. flat mode or 2. cache mode in the previous section.]

The nodes that you are not using on the day of the challenge (the nodes that are set to the memory mode that you did not select in the previous section) **may be used to run another Large-Scale HPC Challenge or general user's jobs.** These two challenges or jobs share resources such as the file system, so **please check the box if it is difficult to run your challenge simultaneously with another challenge.**

☐

Project title (Japanese)	
Project title (English)	
Overview (About 200 words)	

Contents and goals of the project (One page or less in total, about 1,000 words)

Significant/Need for the monopolized use of the system through the Large-Scale HPC Challenge

- Please write in a few lines including the points that may be useful to other users or the operation of the Center, etc.

Program Overview

- If using more than one program, please duplicate this page and complete one sheet for each program.

Program ID	
Name of program	
Contents of computation (2-3 lines)	

Track record of machine operated (Number of processors, etc.)

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Program Overview

	Current condition	Target
Maximum problem size		
Maximum memory capacity used		
Maximum number of nodes desired (OFP)		

I/O (Estimated) Maximum scale per job

Data input	
Data output	

Execution conditions, etc.

<u>Processing method for large-scale data, strategy (visualization software used, etc.)</u>
<u>Plans for execution of large-scale jobs (Number of nodes, execution time each session, number of cases, etc.)</u> Please provide as many details as possible. e.g., 4,200 nodes * 2 hours * 4 times
<u>Special points of note (Use of special libraries, software, etc.: There are cases where your requests cannot be fulfilled)</u>
Plan to use Fast file cache systems <input type="checkbox"/> Yes <input type="checkbox"/> No

Information about members of the research group (including the applicant) (Please add fields if the space provided is not sufficient.)

	Use of Oakforest- PACS	Name	Affiliation/Department/ Designation	Role in the research project
e.g.	■	John Smith	Professor, Information Technology Center, the University of Tokyo	Coordinator
1				
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* Please fill in the details for all members who will use the Oakforest-PACS Supercomputer System, and fill in the "Use of Oakforest-PACS" field with a ■ mark.

* Members of a research group or applicant who are affiliated with a corporation must submit separate documents to use the Oakforest-PACS Supercomputer System. Please refer to the application guidelines for details.

* If the research group includes members who are foreign nationals or non-residents of Japan, please check to ensure that you are not in violation of laws and regulations related to export trade. There may be cases where the user account cannot be issued.