**Reedbush-H Supercomputer System**

**Application Form for “Large-Scale HPC Challenge”**

Date:

To: The Director of the Information Technology Center at the University of Tokyo

I hereby apply for the “Large-Scale HPC Challenge” for the Reedbush-H Supercomputer System.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Project applicant**  Name | |  | | | | | |
| Requested date of use  **\*Please check the schedule for the initiative, and fill in up to three preferred dates. The system will be available for use from the date of use to 9:00 a.m. of the following morning.** | | 1st choice | (DD/MM/YYYY) | | | | |
| 2nd choice | (DD/MM/YYYY) | | | | |
| 3rd choice | (DD/MM/YYYY) | | | | |
| Affiliation/Department/Designation | |  | | | | | |
| Contact address | |  | | | | | |
| E-mail |  | | | TEL |  | FAX |  |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Project title**  **(Japanese)** | |  | | |
| **Project title**  **(English)** | |  | | |
| **Overview**  **(About 200 words)** | |  | | |
| **Contents and goals of the project (One page or less in total)** | | | | |
| With regard to the contents, please include the background of the project, the goals, and the scientific applicability of the computational results. Please also provide a simple explanation of past research achievements that provides justification for the number of nodes you plan to use in this project. | | | | |
| **Significant/Need for the monopolized use of the system through the Large-Scale HPC Challenge**  Please described the significance/need for monopolizing 120 nodes for 24 hours. | | | | |
| **Name of program:**  **Contents of computation (2-3 lines):**  **(If using more than one program, please duplicate this page and complete one sheet for each program.)** | | | | |
| Scale of program (Number of lines) | | |  | |
| Track record of machine operated  Number of processors, etc. | | |  | |
| Current condition | Maximum problem size | |  | |
| Performance value (peak performance ratio) | |  | |
| Maximum memory capacity used | |  | |
| Target | Maximum problem size | |  | |
| Performance value (peak performance ratio) | |  | |
| Maximum memory capacity used | |  | |
| I/O (Estimated)  Maximum scale per job | | Data input |  |
| Data output |  |
| Maximum number of nodes desired | |  | |
| **Processing method for large-scale data, strategy (visualization software used, etc.)** | | | | |
| **Plans for execution of large-scale jobs (Number of nodes, execution time each session, number of cases, etc.)**  Please provide as many details as possible.  e.g., 120 nodes×2 hours×10 times | | | | |
| **Special points of note (Use of special libraries, software, etc.: There are cases where your requests cannot be fulfilled)** | | | | |
| **Requests/Special remarks (Supplementary contents, points that may be useful to other users/operation of the Center, etc.)** | | | | |
|  | | | | |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Use of Reedbush-H | Name | Affiliation/Department/Designation | Role in the research project |
| e.g. | ■ | Taro Todai | Professor, Information Technology Center, the University of Tokyo | Coordinator |
| 1 |  |  |  |  |
| 2 |  |  |  |  |
| 3 |  |  |  |  |
| 4 |  |  |  |  |
| 5 |  |  |  |  |
| 6 |  |  |  |  |
| 7 |  |  |  |  |
| 8 |  |  |  |  |
| 9 |  |  |  |  |
| 10 |  |  |  |  |
| 11 |  |  |  |  |
| 12 |  |  |  |  |
| 13 |  |  |  |  |
| 14 |  |  |  |  |
| 15 |  |  |  |  |

\* Please fill in the details for all members who will use the Reedbush-H Supercomputer System, and fill in the “Use of Reedbush-H” field with a ■ mark.

\* Members of a research group or applicant who are affiliated with a corporation must submit separate documents to use the Reedbush-H 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.