FormS-1b-E

Application for Supercomputer Joint Research（B. Research project）

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To the Director of Earthquake Research Institute, the University of Tokyo,

　(Principal investigator) Name:

Title:

Affiliation:

Address:

Phone:

Email:

I wish to apply for the category of Research Project as follows.

Research Project Title:

Overview:

Requested computer system： □Wisteria-O □Wisteria-A

Requested computational resource of use (Tokens)：　　　　　(nodes)

\* Please fill in 80,000-250,000 nodes/token per project for super computing system.

Requested disk storage of use： (TB) \* 60TB per 500,000 node hours is standard.

Research Organizations

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| Name | Affiliation | Title | Account \*1 |
| (Principal Investigator) |  |  |  |
| (Co-Investigator) |  |  |  |
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\*1 Please check this box if you will request account for computational systems. The PI must create an account.

※It is possible to apply in groups of 1 to 10 people.

※If you have any problems with the appointment of the contact person at ERI, please contact as follows.

Associate professor Hiroshi TSURUOKA (tsuru＠eri.u-tokyo.ac.jp)

※Even if you apply for an account of computational systems, it may not be accepted. If the PI's account application is not accepted by information technology center, this application will be rejected.

1. Basis for calculation

(Ex.) calculation of XX : XX nodes XX hours x XX times

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2. Purpose and Significance of Proposed Research

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3. Research plan

(Please write a concrete plan of what and how this study will reveal. If you have more than one researcher, please explain the role of each researcher. In addition, please indicate the specific use plan of the large computer and the development status of the calculation code.)

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4. Expected Outcomes

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5. Significant/Need for the use of the super computing system

(Please describe specifically that the research cannot be achieved with the EIC system, but can be achieved with the super computing system from the viewpoint of the target calculation scale, spatiotemporal resolution, number of calculations, calculation time, etc. and Also please explain the scalability of the parallel calculation of the calculation program used.)

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6. List of Major Publications related this research (Please also include the name of the medium in which the results were published (the name of journal, conference, doi, etc.).)

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7. Details of past results using large-scale computing and the need for parallelization support

(Please describe the details of the past results of large-scale calculations with super computing system of Information Technology Center, The University of Tokyo or other systems, including the EIC system. This column is required if you want more than 170,000 nodes per project or if you have more than 10 researchers. If you want to use more than 170,000 nodes, please describe it in relation to the reason. If there are more than 10 researchers, please describe them in relation to the achievements and roles of each researcher. If you wish to support parallelization in super computing system, please specify in this column the necessity and the past achievements and preparations for large-scale computation. Even if it does not correspond to these, it can be described arbitrarily.)

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※Please acknowledge the ERI’s joint usage/research program in any papers published, which uses the results of the research performed under the program. In addition, when publishing a paper on the Supercomputer Joint Research that has been adopted, please acknowledge the University of Tokyo Information Technology Center.

（Example:｢20XX-S-B101｣）

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This research was conducted using the FUJITSU Supercomputer PRIMEHPC FX1000 and FUJITSU Server PRIMERGY GX2570 (Wisteria/BDEC-01) at the Information Technology Center, The University of Tokyo.