Application for Proposal-based Use of the Large-Scale Computer System

at Cybermedia Center, Osaka University

Date (yyyy/mm/dd)

※Please send this application form to Cybermedia Center at **system@cmc.osaka-u.ac.jp**

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| **Affiliation** |  | | |
| **Name** |  | **Job Title** |  |
| **Age / Gender** | Age　　(on Apr. 1, 2023)　/ M・F・Other( ) | | |
| **Phone** |  | | |
| **E-mail** |  | | |
| **Address** | 〒 | | |
| **Supervisor** | (Fill in here if you are a graduate student)  Name：　　　　　　　　　E-mail： | | |

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| **Research Title** |  | | |
| **Category** | □Exploratory Research | □Large Scale HPC | □Artificial Intelligence  Research |

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| **1. Outline of Computing Plan**  (Please describe your HPC and storage resources.) | | | |
| **Supercomputer System for HPC & HPDA** | | **OCTOPUS** | |
| **General-purpose CPU nodes** | Node-Hours | **General-purpose CPU nodes** | Node-Hours |
| **GPU nodes** | Node-Hours | **GPU nodes** | Node-Hours |
| **Vector nodes** | Node-Hours | **Vector nodes** | Node-Hours |
| **Storage** | TB | **Storage** | Node-Hours |
|  |  |  | TB |
| **About Computing**  (e.g. ○○○○: For [goal/purpose] using [method/algorithm], we run [XX] node-hour computing, [YY] times) | | | |
| (Please summarize 3. Computing Plan) | | | |

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| **2. Overview of the Research**  Indicate the specific purpose of the research by clearly summarizing the scientific background, objective, significance, and plan for the research as well as the expected results (in the case of Large Scale HPC, or Artificial intelligence research) or reasons for exploratory research (in the case of Exploratory Research). Review will be performed based on this application. Please describe the purpose of the research in detail using the entire page. Please include figures and tables. |
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2. Purpose of the Research (1/2)

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2. Purpose of the Research (2/2)

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| **3. Computing Plan**  Research resources will be allocated based on the description in this column. If you use multiple large-scale computer systems of Cybermedia Center, please describe each one. Enter the number of CPUs, memory capacity, computation time, and required disk space that you anticipate using in relation to your research plan. Also, if you need to process large-scale calculation results, observation data, etc., please briefly explain the number of files and file sizes (individual files and total size) generated in one output, output frequency and measures against it. please explain. If there is not enough space, you can extend the description field. |
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| **4. List of Users**  　※Please let us know users who request the use of HPC systems | | | | | | |
| 1 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 2 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 3 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 4 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 5 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 6 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 7 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 8 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 9 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |
| 10 | Name |  | Job Title |  | Research Area |  |
| Affiliation |  | | |
| Age |  | E-mail |  | | |

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| **5. List of Foreign Users**  　※Please list the foreign users in “4. List of Users” if applicable. | | | | | | |
| **We confirmed that we do not violate export trade laws and regulations when applying for foreign users( Yes ・ No ).** | | | | | | |
| 1 | Name |  | Years of Residence |  | Nationality |  |
| Address |  | | | | |
| 2 | Name |  | Years of Residence |  | Nationality |  |
| Address |  | | | | |
| 3 | Name |  | Years of Residence |  | Nationality |  |
| Address |  | | | | |
| 4 | Name |  | Years of Residence |  | Nationality |  |
| Address |  | | | | |
| 5 | Name |  | Years of Residence |  | Nationality |  |
| Address |  | | | | |

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| **6. Research Organization**  Clearly describe the roles and necessities of the users listed in "4. List of Users" above, and describe the adequacy of the research organization, using figures and tables within the space available. As necessary, project participants not listed in the "4. User List" (e.g. project participants such as advisors and supervisors who do not use a large-scale computer system) can also be described. |
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| **7. Application Status for JHPCN/HPCI** | |
| **Project for FY2023**  (The usage start date is April 1, 2023) | □Applied JHPCN  Research title : |
| □Applied HPCI  Research title : |
| □Not apply |

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| **8. Status of Application for “Proposal-based Use” Implemented by the Other JHPCN organizations**  If you apply to any “Proposal-based Use" which the other JHPCN organizations implement, and any other similar framework that supports service charge based on your research proposal, please indicate the name of organization, research title and relations between the project and this project. |
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| **9. Project Differences Between FY2022 and FY2023**  If you were adopted to Proposal-based Use in FY 2022, please indicate the project differences between FY2022 and FY2023. |
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