**Application to LSU HPCRAC requesting allocation of HPC resources**(HPCRAC- High Performance Computing Resource Allocation Committee meets quarterly to review applications)

**Summary of Current requests**:

Note: Eligible applicants are active LSU Baton Rouge campus faculty members and permanent research staff (subject to HPCRAC Chari review and approval. Faculty who are recently retired and re-located to another institution can request LSU HPC resources as long as they are involved in advising actively registered students/researchers at LSU.

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| --- | --- |
| Proposal Title |  |
| Principal investigator name  |  |
| Co-PI/Delegate name |  |
| Department |  |
| Machine requested(Check one - Separate application is required for each) | Super Mike 2 [ ]  SuperMIC [ ]  |
| TOTAL SUs requested in this application  |  |
| Each PI can submit only one application at a time on each machine. Consolidate multiple projects into a single application.Allocation types: A => 50K~300K SUs, B => 300K ~ 1M SUs, C => greater than 1M.The maximum SUs allowed per PI in any 12 month period on a machine is 5M SUs. |
| Requested start date | Q1 (Jan 1) [ ]  Q2 (Apr 1) [ ]  Q3 (Jul 1) [ ]  Q4 (Oct 1) [ ]   |

**Currently active allocations under PI name:** (report all allocations on LSU HPC received in the last 12 months)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Allocation name | Machine name | Allocation amount granted | Allocation amount remaining | Expiry date |
|  |  |  |  |  |
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**Abstract:**

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**Technical Merit:**

All proposals should include a technical merit session which should describe the *background, problem statements, methodology*, *software scaling* and *research schedule* (estimation of computational time) within 4-page limit.

**Background**

**Problem statement**

**Methodology**

**Software scaling**

**Research schedule (estimation of computational time)**

**Impact of past usage:**

A type B proposal (300K to 1M SUs) should include an additional section (maximum of one additional page) on impact and outcomes of any previous allocations. List reports, presentations, publications that were enabled by previous allocations.

**External funding or LSU demand**

A type C proposal (> 1M SUs) should include an additional section (maximum of one additional page) on related external research funding and/or LSU internal demand (list research groups or a support letter) in addition to the sessions of technical merit, S/W scaling, previous usage report and outcome within total of 6-page limit.