**Project Title:** Title of your allocation project

**HPC machine:** The cluster you intended to use, e.g., SuperMike2, SuperMIC

**SU’s being requested:** Total service units (core-hours) you want to apply for

# Technical Merit

**Required for all Type A, B and C allocation proposals.** A technical merit session should describe the background, problem statements, methodology, research schedule and software scaling (estimation of computational time) **within a 4-page limit**.

## Background, problem statements, methodology

Background – Section describing how the resources will be used to address the problem (i.e. student access for course work, specific models, etc).

Problem statement – Section describing the desired outcomes of the project.

Methodology – Section describing the computational methodology that will be used. This should include the applications required.

## Software scaling

Section describing the performance and scaling of software application that will be used, ideally based on small scale test-runs on the resources of interest.

## Research schedule

Section describing the research schedule, including the anticipated expenditure of granted resources (estimation of computational time). Allocations are assumed to be uniformly consumed over their lifetime. If this will not be the case, an estimate of expenditure by quarters is required.

# Previous Usage and Outcome

**Required for Type B (300,000 to 1,000,000 SUs) and Type C (> 1,000,000 SUs) allocation proposal**

This section should include usage report and outcomes of any previous allocations.

The proposal should be **within a 5-page limit**.

If the PI of the proposal did not have any previous record of usage of the HPC allocation, the PI will be recommended to submit a type A proposal or the committee will consider the proposal as type A. If a PI is a new researcher at LSU but has previous usage records at other HPC facilities, the PI should describe it in the proposal.

# External Funding or LSU Demand

**Required for Type C** **(> 1,000,000 SUs) allocation proposal**.

This section should describe related external research funding and/or LSU internal demand (list research groups or a support letter)

The proposal should be **within a 6-page limit**.