# Proposal for PAID IME Collaboration

## Science Team

|  |  |
| --- | --- |
| PI Name: |  |
| PI email: |  |
| Project Contact Name & email: (If different than PI) |  |

## Submission & Approval

|  |  |
| --- | --- |
| Date Submitted: |  |
| Date Approved: |  |

Qualifying teams will be initially allocated Blue Waters time of 50,000 node-hours per IME+team pairing (up to a maximum of three) for the development and testing of the new methods without impacting a team's scientific or engineering allocations. Regardless of the number of IME affiliations, the funding per science team is a fixed amount.

## Proposal

**IME Name & Lead**

|  |  |
| --- | --- |
| Improvement Method Enabler: |  |
| Name of IME team lead: |  |

**Describe the expected benefit of this IME’s contribution to your team’s work on Blue Waters**

*The goals of the work must be to improve efficiency and performance on Blue Waters (and possibly other systems). When possible, include quantifiable estimates. Comparisons are expected for the recommendations detailed in the Performance Report Guidelines presentation available on the Blue Waters user portal (*[*https://bluewaters.ncsa.illinois.edu/documents/10157/34935/Performance\_Reporting\_Behzad.pdf*](https://bluewaters.ncsa.illinois.edu/documents/10157/34935/Performance_Reporting_Behzad.pdf)*).*

*The proposals and subsequent reports will be checked for adherence to generally accepted performance comparison methodology.*

**Describe the expected work plan and approach for improving the performance and/or efficiency of the team’s applications running on Blue Waters**.

*Be specific about the expected challenges and the approaches planned to overcome those challenges.*

**Estimate of time to implement the IME’s contribution**

*Reminder: The work must be completed before your Science and Engineering project award’s end date with time left to show benefit of the implementation or integration.*

**Milestones**

Provide a draft of the milestones for the proposed work described above. Examples of key milestones are included below. Revise as appropriate and add any additional milestones that would be helpful for tracking this work.

|  |  |  |
| --- | --- | --- |
| **Milestone** | **Description** | **Estimated Date** **of Completion** |
| 1.0 | Establish baseline performance  |  |
| 2.0 | Initial implementation of method |  |
| 3.0 | Performance comparison |  |
| 4.0 | Full-scale implementation and demonstration |  |
| 5.0 | Final report |  |

**Letter of Support from IME**

*Insert file name*