**Blue Waters Petascale Semester Curriculum v1.0**

**Unit 4: OpenMP**

**Lesson 6: When Should You Use OpenMP?**

**References / Further Reading**

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*Browse and search the full curriculum at*[*http://shodor.org/petascale/materials/semester-curriculum*](http://shodor.org/petascale/materials/semester-curriculum)

*We welcome your improvements! You can submit your proposed changes to this material and the rest of the curriculum in our GitHub repository at*[*https://github.com/shodor-education/petascale-semester-curriculum*](https://github.com/shodor-education/petascale-semester-curriculum)

*We want to hear from you! Please let us know your experiences using this material by sending email to* [*petascale@shodor.org*](mailto:petascale@shodor.org)

Concepts from High Performance Computing

<https://www.cs.usask.ca/~spiteri/M314/notes/HPC1.pdf>

Parallel Computing – Shared Memory Parallelism

<https://docs.hpc.shef.ac.uk/en/latest/parallel/SMP.html>

HPC 3: Computer Architecture and shared memory parallel programming

<https://arc.leeds.ac.uk/training/computer-architectures-for-hpc/>

Conway’s Game of Life Module Document

<http://www.shodor.org/media/content//petascale/materials/UPModules/GameOfLife/Life_Module_Document_pdf.pdf>

Infectious Disease Module Document

<http://www.shodor.org/media/content//petascale/materials/UPModules/infectiousDisease/moduleDocument_pdf.pdf>

Sieve of Eratosthenes Module Document

<http://www.shodor.org/media/content//petascale/materials/UPModules/sieveOfEratosthenes/module_document_pdf.pdf>