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

**Unit 5: MPI**

**Lesson 4: Distributed Memory Concepts: Distributed Multiprocessing**

**References / Further Reading**

*Developed by Widodo Samyono for the Shodor Education Foundation, Inc.*

References / Further Reading.

1. Parallelization: Area Under a Curve <http://www.shodor.org/petascale/materials/UPModules/AreaUnderCurve/>. Last access on 06/16/2020.
2. Computer Science Curricula 2013: Curriculum Guidelines for Undergraduate Degree Programs in Computer Science December 20, 2013. <https://www.acm.org/binaries/content/assets/education/cs2013_web_final.pdf>. Last access on 06/16/2020.
3. Multithreading and Multiprocessing <http://shodor.org/petascale/materials/UPModules/sipeMultithreadingMultiprocessModule2/> . Last accessed on 06/20/2020.
4. MPI for Scalable Computing: Introduction | Rusty Lusk, Argonne National Laboratory. <https://extremecomputingtraining.anl.gov/files/2016/08/Lusk_435aug1_rvMPI-intro.pdf>. Last accessed on 06/20/2020.
5. Parallel Area Under a Curve Exercises By Tiago Damasceno and Samuel Leeman-Munk, Shodor, Durham, NC. <http://shodor.org/petascale/materials/UPModules/exercises/Area_Under_Curve/>. Last accessed on 06/20/2020.
6. P.S. Pacheco, *Parallel Programming with MPI*, Morgan Kaufmann Publishers, 1997.
7. W. Gropp, E. Lusk and A. Skjellum, *Using MPI: Portable Parallel* *Programming with the Message-Passing Interface*, 2nd ed. MIT Press, 1999.



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