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

**Unit 4: OpenMP**

**Lesson 12: OpenMP Tasks**

**References and Further Reading**

*Developed by Cameron Foss for the Shodor Education Foundation, Inc.*



*Except where otherwise noted, this work by The Shodor Education Foundation, Inc. is licensed under CC BY-SA 4.0. To view a copy of this license, visit*[*https://creativecommons.org/licenses/by-sa/4.0*](https://creativecommons.org/licenses/by-sa/4.0)

*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)

OpenMP Tasking :

•<https://openmp.org/wp-content/uploads/sc13.tasking.ruud.pdf>

•<http://icl.cs.utk.edu/classes/cosc462/2017/pdf/W43%20-%20OpenMP%20Tasking.pdf>

•<https://en.wikibooks.org/wiki/OpenMP/Tasks>

OpenMP tasking model (advanced):

•<https://www.slideshare.net/InformaticaUCM/openmp-tasking-model-from-the-standard-to-the-classroom?from_action=save>

A nice book on OpenMP in general, many many examples:

•<https://www.openmp.org/wp-content/uploads/OpenMP4.0.0.Examples.pdf>

OpenMP API User’s Guide:

•[https://docs.oracle.com/cd/E77782\_01/html/E77801/gljyr.html#scrolltoc](https://docs.oracle.com/cd/E77782_01/html/E77801/gljyr.html) (2017 documentation)

•<https://docs.oracle.com/cd/E19205-01/820-7883/auto15/index.html> (2010 documentation)

OpenMP directives:

•<https://docs.microsoft.com/en-us/cpp/parallel/openmp/reference/openmp-directives?view=vs-2019>

Basics of recursion

•<https://www.programiz.com/c-programming/c-recursion>

•<https://www.cs.utah.edu/~germain/PPS/Topics/recursion.html>

Runtime Determinacy Race Detection for OpenMP Tasks:

•<https://link.springer.com/chapter/10.1007/978-3-319-96983-1_3>