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

**Unit 4: OpenMP  
Lesson 10: Ensemble Based Simulated Annealing in OpenMP  
References / Further Reading***Developed by David A. Joiner for the Shodor Education Foundation, Inc.*

Petascale Module

<http://shodor.org/petascale/materials/UPModules/StochOpt/>

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| Ruppeiner, George, Jacob Mørch Pedersen, and Peter Salamon. "Ensemble approach to simulated annealing." *Journal de Physique I* 1.4 (1991): 455-470. |  |
| APA |  |



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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)