
SDSC HPC User Training

Week 1: January 17, 2020

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HPC User Training 2020 Schedule

HPC User Training 2020 : HPC-Training-Schedule-Public

Week	DATE	SDSC HPC USER TRAINING*	
		Fridays (1:00-3:00 pm)	Instructors
1	Fri, 01/10/20	Program Orientation, history, plan ; Registration process & accounts; HPC overview & Comet Architecture	Mary Thomas
2	Fri, 01/17/20	Comet 101; Parallel Queues & batch scripting;	Mary Thomas
3	Fri, 01/24/20	GPU Architectures, CUDA	Andy Goetz
4	Fri, 01/31/20	NVIDIA RAPIDS Toolkit	Marty Kandes
		GPU accelerated computing with CUDA Python	Abe Stern (NVIDIA)
5	Fri, 02/7/20	Intro to Parallel Computing: OpenMP/Threads/MPI	Mary Thomas
6	Fri, 02/14/20	Profiling, monitoring, and optimization	Bob Sinkovits
7	Fri, 02/21/20	Cloud computing (AWS, OSG)	Marty Kandes
8	Fri, 02/28/20	Containers for CPU and GPU computing	Marty Kandes
9	Fri, 03/6/20	Visualization Using Python and Jupyter Notebooks	Jeff Sale
10	Fri, 03/13/20	Machine Learning	Mai Nguyen
		Tensor Flow	Mahi Tatineni

Agenda:

1. Organization:
 - a. Check for updates to repo:
 - i. <https://github.com/sdsc-hpc-students/hpc-training-2020>
 - ii. Enrollment will be open for 1 more week
 - b. Comet Accounts:
 - i. In progress - they should be ready tomorrow.
 - ii. Let me know if there is a problem
2. Club meeting at 3pm in auditorium (more pizza)
3. Today's lecture:
 - a. Running Jobs on Comet

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