MONDAY, OCTOBER 28
9:45 - 10:00 Welcome
10:00 - 12:00 Intro to the Linux Command Line
Gabe Perez-Giz
12:00 - 1:00 Lunch (provided)
1:00 - 2:00 Good Practices for Research Software Engineering
Ian Cosden
2:00 - 2:30 Break
2:30 - 4:30 Intro to HPC on the Princeton Clusters
Jonathan Halverson

TUESDAY, OCTOBER 29
10:00 - 12:30 Version Control with Git
Dev Dabke
12:30 - 1:30 Lunch (provided)
1:30 - 2:30 How to Make Effective (and Beautiful) Plots
Carolina Roe-Raymond
2:30 - 3:00 Break
3:00 - 4:30 Intro to Numpy & Scipy
Gabe Perez-Giz
Vineet Bansal
Henry Schreiner
4:30 - 5:30 Python AMA
Gabe Perez-Giz
Vineet Bansal
Henry Schreiner

WEDNESDAY, OCTOBER 30
10:00 - 12:30 Collaborative Software Development with Git and Github
Dev Dabke
12:30 - 1:30 Lunch (provided)
1:30 - 3:00 Command Line Power Tools
Gabe Perez-Giz
3:30 - 3:45 Closing Remarks

INTRODUCTION TO PARALLEL PROGRAMMING WORKSHOP
138 LEWIS SCIENCE LIBRARY
Register at researchcomputing.princeton.edu/workshops

THURSDAY, OCTOBER 31
9:00 - 9:15 Welcome Remarks
Gabe Perez-Giz
9:15 - 10:15 What Every Computational Researcher Should Know About Computer Architecture
Ian Cosden
10:15 - 10:30 Break
10:30 - 12:30 Performance & Vectorization
Bei Wang
12:30 - 1:30 Lunch (provided)
1:30 - 4:15 Intro to MPI and OpenMP
Stephane Ethier
(With coffee break)

FRIDAY, NOVEMBER 1
10:00 - 12:00 Intro to GPU Programming
Jonathan Halverson
12:00 - 1:00 Lunch (provided)
1:00 - 3:00 Programming GPUs with Open ACC
Stephane Ethier
3:00 - 3:15 Closing Remarks

Note: Previous familiarity with Linux and with C, C++, or Fortran is REQUIRED in order to attend the Introduction to Parallel Programming Workshop.

Co-sponsors: Center for Statistics and Machine Learning, Princeton Neuroscience Institute, Program in Applied & Computational Mathematics, School of Engineering & Applied Science, and The Graduate School

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