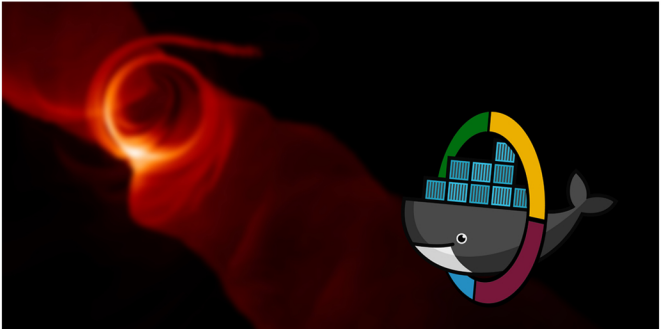# Docker and Jupyter for Reproducible Astronomy

Wednesday, April 11, 2018, 5:00 - 9:00PM UTC.

Available Around the World via Zoom Meeting.

HACKATHON SCHEDULE		
	5:00-5:30pm UT C	Introduction to Docker and Juipyter
	5:30-8:30pm UTC	Hack times
	8:30-9:00pm UTC	Show times

Scope: Container technologies such as Docker is letting astronomers easily share, scale, and reuse software. Jupyter Notebook is letting astronomers organize and reproduce data analysis. Together, these technologies make reproducible astronomy possible. The first PIRE Mini-Hackathon gives PIRE and EHT members hands-on experiences on using these technologies to make their analysis reproducible.

Outcomes: Basic knowledge of container technologies and Jupyter Notebook. How to containerize software. How to run containerized software. Self-contained, portable, and reproducible Docker containers and Jupyter notebooks.

BYOD/BYOA: Bring Your Own Data and Analyses. Hackathon participants are encouraged to bring their own data and analytical workflows for containerization.

Required Experience: Linux command line, directory structures, shell commands. Basic programming experience (language of your choice).

For more information on this event, please visit:
http://xtreme.as.arizona.edu/pire-hackathon-2018-04

Register with Zoom to secure your spot for this worldwide event.