

GROWTH Astronomy School 2019

Program

Sunday	04-Aug-19
5:00 - 8:00pm	Check into school
	Confirm computer is setup appropriately
	Confirm Python Basics (Author: Leo Singer) module homework complete
Monday	05-Aug-19
9:00 - 9:15am	Welcome Note
9:15 - 9:45am	Session 1: Overview of Time Domain Astronomy
9:15 - 9:45am	Lecture: Mansi Kasliwal (Caltech)
9:45 - 10:00am	BREAK
10:00 - 12:00am	Session 2: Image Data Reduction
10:00 - 10:30am	Lecture: Dan Perley (Liverpool John Moores University, UK)
10:30 - 12:00pm	Hands on activity with Jupyter notebook Session lead: Dan Perley (LJMU)
12:00 - 1:00pm	LUNCH
1:00 - 3:00pm	Session 3: UV/Optical/IR Photometry
1:00 - 1:30pm	Lecture: Chris Copperwheat (Liverpool John Moores University, UK)
1:30 - 3:00pm	Hands on activity with Jupyter notebook Session lead: Kishalay De (Caltech)
3:00 - 3:30pm	BREAK
3:30 - 5:00pm	Session 4: Observing Run Preparation
3:30 - 4:00pm	Lecture: Robert Quimby (SDSU)
4:00 - 5:00pm	Hands on activity with Jupyter notebook (Author: Robert Quimby)
5:00 - 6:30pm	DINNER
6:30 - Late	Observations using Mt Laguna Observatory
Tuesday	06-Aug-19
8:30 - 10:30am	Session 5: Image Subtraction
8:30 - 9:00am	Lecture: Christoffer Fremling
9:00 - 10:30am	Hands on activity with Jupyter notebook Session lead: Igor Andreoni (Caltech)
10:30 - 11:00am	BREAK
11:00 - 12:30pm	Session 6: Gravitational Wave Localization & Galaxy Crossmatch
11:00 - 11:30am	Lecture: Leo Singer (NASA/GSFC)
11:30 - 12:30pm	Hands on activity with Jupyter notebook Session lead: Dave Cook (Caltech/IPAC)
12:30 - 1:30pm	LUNCH
1:30 - 3:00pm	Session 7: Machine Learning
1:30 - 2:00pm	Lecture: Ashish Mahabal (Caltech)
2:00 - 3:00pm	Hands on activity with Jupyter notebook Session lead: Ashish Mahabal(Caltech)
3:00 - 3:30pm	BREAK
3:30 - 5:30pm	Session 8: Spectroscopy
3:30 - 4:00pm	Lecture: Robert Quimby (SDSU)
4:00 - 5:30pm	Hands on activity with Jupyter notebook Session lead: Matt Hankins(Caltech)
Wednesday	07-Aug-19

9:00 - 10:30am	Session 9: Lightcurve Analysis
9:00 - 9:30am	Lecture: Melissa Hayes-Gehrke (University of Maryland)
9:30 - 10:30am	Hands on activity with Jupyter notebook Session lead: Melissa Hayes-Gehrke(UMD)
10:30 - 11:00am	BREAK
11:00 - 12:30pm	Session 10: Asteroids
11:00 - 11:30am	Lecture: Quan-Zhi Ye (Caltech)
11:30 - 12:30pm	Hands on activity with Jupyter notebook Session lead: Dmitri Duev(Caltech)
12:30 - 1:30pm	LUNCH
1:30 - 3:00pm	Session 11: X-ray Astronomy Data Analysis
1:30 - 2:00pm	Lecture: Brad Cenko (University of Maryland/NASA-GSFC)
2:00 - 3:00pm	Hands on activity with Jupyter notebook Session lead: Brad Cenko(UMD/NASA-GSFC)
3:00 - 3:30pm	BREAK
3:30 - 4:00pm	Session 12: Radio Analysis
3:30-4:00pm	Lecture: David Kaplan (University of Wisconsin, Milwaukee)
4:00 - 5:00pm	Hands on activity with Jupyter notebook Session lead: David Kaplan(UWM)
5:00-5:30pm	Evaluation and Closing Session