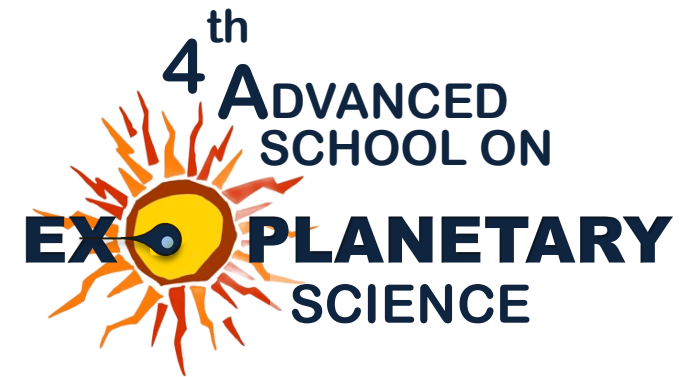


Thursday, May 25	
9:00 am	Lecture #4 by Laura Kreidberg <i>What kind of clouds and hazes do exoplanets have?</i>
10:00 am	Lecture #4 by James Owen <i>Impact of escape on exoplanet evolution</i>
11:00 am	Coffee break
11:30 am	Lecture #3 by Aldo Bonomo <i>Determination of stellar parameters for accurate (and precise) planet masses and radii</i>
12:30 - 2:30 pm	Lunch and free time
2:30 pm	Contribution #5 by Simone Hagey <i>Disentangling the Sources of Secular Trends in Exoplanet Orbits</i>
2:45 pm	Contribution #6 by Lorenzo Mugnai <i>ExoSim 2. The new time-domain simulator applied to the Ariel space mission</i>
3:00 pm	Lecture #5 by Courtney Dressing <i>The Compositions and Interior Structures of Exoplanets</i>
4:00 pm	Coffee break
4:30 pm	Lecture #5 by Eric Ford <i>Long-term evolution of multi-planet systems</i>
5:30 pm	Lecture #5 by Laura Kreidberg <i>What are the climates of exoplanets like?</i>
7:30 pm	Dinner and free time

Friday, May 26	
9:00 am	Lecture #4 by Aldo Bonomo <i>Impact of stellar magnetic activity on planet parameters and modelling/mitigation techniques</i>
10:00 am	Lecture #6 by Courtney Dressing <i>Future Goals and Opportunities</i>
11:00 am	Coffee break
11:30 am	Lecture #6 by Eric Ford <i>Formation of multi-planet systems</i>
12:30 - 2:30 pm	Lunch and free time
2:30 pm	Contribution #7 by Elyar Sedaghati <i>Constraining planet formation theories from the Rossiter McLaughlin measurements for warm giant exoplanets</i>
2:45 pm	Contribution #8 by Larissa Palethorpe <i>Delving further into the radius valley through the characterisation of a sub-Neptune</i>

3:00 pm	Lecture #6 by Laura Kreidberg <i>Future prospects and the path to biosignatures</i>
4:00 pm	Coffee break
4:30 pm	Lecture #5 by James Owen <i>Open questions and future directions</i>
5:30 pm	Lecture #5 by Aldo Bonomo <i>Challenges and future prospects for accurate/precise determination of planet parameters</i>
7:30 pm	Dinner and free time



Astrophysics of Transiting Exoplanets

PROGRAM



May 22 - 26, 2023
Vietri sul Mare, Italy

LECTURE PROGRAM

Sunday, May 21	
10:00 am – 3:30 pm	Visit of Herculaneum
	<i>Departure from Lloyd's Baia Hotel Meeting time: 9:40 am Expected return at 3:30 pm</i>
7:00 pm – 8:00 pm	Welcome cocktail and preregistration <i>Lloyd's Baia Hotel</i>
Monday, May 22	
8:00 am – 9:00 am	Registration
9:00 am – 12:30 pm	Lectures
2:30 pm – 6:30 pm	Lectures
Tuesday, May 23	
9:00 am – 12:30 pm	Lectures
2:30 pm – 6:30 pm	Lectures
Wednesday, May 24	
9:00 am – 1:30 pm	Lectures
3:00 pm – 7:30 pm	Visit of Ravello
7:30 pm – 10:30 pm	Social Dinner
Thursday, May 25	
9:00 am – 12:30 pm	Lectures
2:30 pm – 6:30 pm	Lectures
Friday, May 26	
9:00 am – 12:30 pm	Lectures
2:30 pm – 6:30 pm	Lectures
Saturday, May 27	
9:00 am – 6:30 pm	Hiking on the Path of the Gods <i>Departure from Lloyd's Baia Hotel Meeting time: 8:50 am Expected return at 6:30 pm</i>

Monday, May 22	
9:00 am	Lecture #1 by Courtney Dressing <i>Introduction to Planetary Transits & Early Searches for Transiting Planets</i>
10:00 am	Lecture #1 by Eric Ford <i>Geometry of transiting multi-planet systems</i>
11:00 am	Coffee break
11:30 am	Lecture #1 by Laura Kreidberg <i>How do we "see" exoplanet atmospheres? I. Methods and techniques</i>
12:30 - 2:25 pm	Lunch and free time
2:30 pm	Contribution #1 by Amy Tuson <i>Discovery of Long-Period Transiting Exoplanets with TESS and Cheops</i>
2:45 pm	Contribution #2 by Mario Basilicata <i>Detection of Multiple Molecular Species in the atmosphere of the warm-Neptune HAT-P-11 b at High Spectral Resolution</i>
3:00 pm	Lecture #1 by James Owen <i>Overview of atmosphere loss mechanisms and theory of hydrodynamic escape from close-in exoplanets I</i>
4:00 pm	Coffee break
4:30 pm	Lecture #1 by Aldo Bonomo <i>The radial-velocity and transit methods</i>
5:30 pm	Lecture #2 by Courtney Dressing <i>Highlights from the Kepler Mission</i>
7:30 pm	Dinner and free time

Tuesday, May 23	
9:00 am	Lecture #2 by Eric Ford <i>Prototypical transiting multi-planet systems</i>
10:00 am	Lecture #2 by Laura Kreidberg <i>How do we "see exoplanet atmospheres? II. History and key facilities</i>
11:00 am	Coffee break
11:30 am	Lecture #2 by James Owen <i>Theory of hydrodynamic escape from close-in exoplanets II</i>
12:30 - 2:25 pm	Lunch and free time
2:30 pm	Contribution #3 by Cyril Gapp <i>The transmission spectrum of the Ultra-hot Jupiter WASP-121b with JWST/NIRSpec G395H reveals strong</i>

	<i>atmospheric signals and limb asymmetries</i>
2:45 pm	Contribution #4 by Christina Schoettler <i>Can the Kepler Dichotomy be explained by dynamical interactions in young star clusters?</i>
3:00 pm	Lecture #2 by Aldo Bonomo <i>Bayesian Inference through MCMC and Nested Sampling techniques</i>
4:00 pm	Coffee break
4:30 pm	Lecture #3 by Courtney Dressing <i>Highlights from the K2 and TESS Missions</i>
5:30 pm	Lecture #2 by Eric Ford <i>Transit Timing Variations</i>
7:30 pm	Dinner and free time

Wednesday, May 24	
9:00 am	Lecture #3 by James Owen <i>Direct observations of escape from exoplanets and what they tell us</i>
10:00 am	Lecture #4 by Courtney Dressing <i>Demographic Trends in Planet Occurrence Rates</i>
11:00 am	Coffee break
11:30 am	Lecture #4 by Eric Ford <i>Near-resonant multi-planet systems</i>
12:30 pm	Lecture #3 by Laura Kreidberg <i>What are exoplanet atmospheres made of?</i>
1:30 - 2:50 pm	Lunch and free time
3:00 - 7:25 pm	Visit of Ravello
7:30 - 10:30 pm	Social dinner