



Tel-Aviv Exoplanets and Binaries Workshop 2012

Program and Schedule

Monday December 17th, 2012: Latest News from CoRoT and Kepler

8:45 Registration

Session chair: Ralph Neuhauser

9:00 – 9:15 **Amiel Sternberg** Greetings and opening remarks

9:15 – 9:45 **Magali Deleuil** From CoRoT Lightcurves to Candidates and Planets

9:45 – 10:25 Coffee break

10:25 – 10:55 **Geoff Marcy** The Occurrence of Planets from Kepler

11:00 – 11:30 **Josh Carter** Photodynamics with Kepler

11:35 – 12:05 **William Welsh** Kepler Circumbinary Planets

12:05 – 14:00 Lunch

Session chair: Tristan Guillot

14:00 – 14:30 **Dan Fabrycky** Multi-Transiting Planetary Systems in Kepler

14:35 – 15:05 **Matthew Holman** Long-Term Dynamics of Kepler Multiple Planet Systems

15:05 – 15:45 Coffee break

15:45 – 16:15 **Guillermo Torres** Kepler Binaries and the Problem of Inflated M Dwarfs

16:20 – 16:50 **Avi Shporer** Doing More with Photometry - Studying Kepler Phase Curves

16:55 – 17:25 **Suzanne Aigrain** Measuring Stellar Rotation Periods in Kepler Data Using The Autocorrelation Function

18:00 Reception



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Tuesday December 18th, 2012: Other Observational Fronts

Session chair: Magali Deleuil

9:00 – 9:30	David Charbonneau	The MEarth Project: Parallaxes, Rotation Periods, and Planets of Low-Mass Stars Within 33 Parsecs
9:35 – 10:05	Francesco Pepe	Harps-N
10:05 – 10:45	Coffee break	
10:45 – 11:15	Didier Queloz	Prospects and Limitations of Planet Search from HARPS and Ground-Based Transit Results
11:20 – 11:50	Shay Zucker	Detecting Transiting Planets with Gaia
11:50 – 14:00	Lunch	
13:00 – 14:00	A guided tour of the Jewish Diaspora Museum	

Session chair: Guillermo Torres

14:00 – 14:30	Dan Maoz	Microlensing Planet Surveying: the Second Generation
14:35 – 15:05	Andrew Gould	Brown Dwarfs - Microlensing's Stepchild
15:05 – 15:45	Coffee break	
15:45 – 16:15	Ralph Neuhauser	Direct Imaging of Young Sub-Stellar Companions
16:20 – 16:50	Oded Aharonson	Searching for Planets in the Ultraviolet



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Wednesday December 19th, 2012:

a) Binaries and Triples

Session chair: Dan Fabrycky

9:00 – 9:30	David Latham	Triples
9:35 – 10:05	Robert Mathieu	A Detailed Look into the Blue Stragglers of the Old Open Cluster NGC 188
10:05 – 10:45	Coffee break	
10:45 – 12:00	Tsevi Mazeh Simchon Faigler	Beaming Binaries; Progress and Results of BEER
11:50 – 14:00	Lunch	

b) The Smaller Planets

Session chair: Francesco Pepe

14:00 – 14:30	Michel Mayor	Neptune-Mass Planets, SuperEarths - and Below...
14:35 – 15:05	Ignasi Ribas	The Star-Planet Connection as the Key to Finding and Characterizing New Earths
20:00	Conference Dinner	



Thursday December 20th, 2012: Theory vs. Observations

Session chair: Didier Queloz

9:00 – 9:30	Morris Podolak	Theoretical Considerations in Planet Formation
9:35 – 10:05	Kaitlin Kratter	The Intersection of Binary Formation and Planet Formation
10:05 – 10:45	Coffee break	
10:45 – 11:15	Tristan Guillot	Tidal Interactions and Losing The Brown Dwarfs Around G Stars
11:20 – 11:50	Arieh Konigl	Magnetic Effects in Planet Formation and Evolution
11:55 – 12:25	Josh Winn	Spin-Orbit Alignment for Exoplanets and Binary Stars
12:25 – 14:00	Lunch	

Session chair: William Welsh

14:00 – 14:30	Andrew Cameron	Winds, Tides, and Falling Planets
14:35 – 15:05	Smadar Naoz	The Role of Stellar Binaries in Retrograde Hot Jupiters
15:10 – 15:40	Hagai Perets	Formation of Exotic Binaries in Evolving Triples
15:40 – 16:20	Coffee break	
16:20 – 16:50	Avi Loeb	Observational Signatures of Planets around the Black Hole at the Milky Way Center
16:55 – 17:25	Re'em Sari	Formation of Kuiper-Belt Binaries - Theory vs. Observations
17:25 – 17:40	Shay Zucker	Concluding remarks