



**Summer 2013:
Modern Statistical and Computational Methods for Analysis of Kepler Data
June 10-28, 2013**

SCHEDULE

Monday, June 10th
(NISS Room 104)

- 8:30-9:00 Registration and Continental Breakfast
- 9:00-9:30 Welcome and Workshop Overview: **Eric Ford** (Florida)
- 9:30-10:00 **Thomas Barclay** (NASA)
“Overview of Kepler Mission”
- 10:00-10:30 **Matthew Payne** (CfA)
“Long Period Planets from the Kepler Data”
- 10:30-11:00 **Thomas Barclay** (NASA)
“Searching for Planet Candidates in Kepler Data”
- 11:00-11:30 Break
- 11:30-12:00 **Andrej Prsa** (Villanova)
“Behind the Scenes of Kepler Eclipsing Binary Science”
- 12:00-12:30 **Tim Morton** (Caltech)
“Validation of Kepler Planet Candidates”
- 12:30-1:00 **Joseph Richards** (UC, Berkeley)
“Data Mining for Astrophysical Transients”
- 1:00-2:00 Lunch
- 2:00-2:30 **Joshua Carter** (CfA)
“Characterizing Planets via Transit and/or Eclipse Timing Variations”
- 2:30-3:00 **Eric Ford** (Florida)
“Characterizing the Distribution of Planetary Architectures with Kepler”
- 3:00-3:30 **Darin Ragozzine** (Florida)
“Understanding New Systems of Multiple Planets from the Kepler Space Telescope”
- 3:30-4:00 Break
- 4:00-4:30 **Thomas Loredo** (Cornell)
“Graphical Models on Graphics Processors”
- 4:30-5:00 **David Hogg** (NYU)
“Hierarchical Inference for Characterizing Populations”
- 5:00-5:30 **Paul Baines** (UC, Davis)
“Efficient Bayesian Computation”

Tuesday, June 11th

NISS Room 104

8:30-9:00	Continental Breakfast
9:00-9:30	Jim Berger (Duke) <i>“Bayesian Adjustment for Multiplicity”</i>
9:30-10:00	Merlise Clyde (Duke) <i>“Model Selection, Interim Priors and Hierarchical Models”</i>
10:00-10:30	Jessie Christiansen (NASA Ames) <i>“Characterizing the Completeness of the Kepler Planet Candidate List”</i>
10:30-11:00	Break
11:00-11:30	Robert Wolpert (Duke) <i>“LARK: One Way to Quantify Uncertainty about Light Curves”</i>
11:30-12:00	Jessi Cisewski (CMU) <i>“Approximate Bayesian Computing”</i>
12:00-12:30	Meg Schwamb (Yale) <i>“Planet Hunters: Searching for Exoplanets with 500,000 Eyes”</i>
12:30-1:00	Introductions
1:00-2:00	Lunch
2:00-3:30	Introductions
3:30-4:00	Break
4:00-5:30	Working Group Organization

Wednesday, June 12th thru Friday, June 14th
NISS Room 104

8:30-9:00	Continental Breakfast
9:00-10:30	Working Group #1
10:30-11:00	Break
11:00-1:00	Working Group #2
1:00-2:00	Lunch
2:00-3:30	Working Group #3
3:30-4:00	Break
4:00-5:00	Working Group #4

Monday, June 17th thru Friday, June 21st
NISS Room 104

8:30-9:00	Registration and Continental Breakfast
9:00-10:30	Working Group #1
10:30-11:00	Break
11:00-12:30	Working Group #2
12:30-2:00	Lunch/Seminar
2:00-3:30	Working Group #3
3:30-4:00	Break
4:00-5:00	Working Group #4

Monday, June 23rd thru Thursday, June 27th
NISS Room 104

8:30-9:00	Registration and Continental Breakfast
9:00-10:30	Working Group #1
10:30-11:00	Break
11:00-12:30	Working Group #2
12:30-2:00	Lunch/Seminar
2:00-3:30	Working Group #3
3:30-4:00	Break
4:00-5:00	Working Group #4

Friday, June 28th
NISS Room 104

8:30-9:00	Continental Breakfast
9:00-10:00	Working Group Reports
10:00-10:30	Break
10:30-11:30	Working Group Reports
11:30-12:00	Planning Session for Continuing Collaborations
12:00-1:00	Box Lunches
1:00	Farewell