

## Workshop: Exoplanet Exploration Comes of Age

Monday, Oct. 4, 3:30 pm - 5:30 pm.

Room 211

As evidenced by the increasing number of conference sessions devoted to exoplanets, the whole field is expanding with discoveries of new planets, studies of atmospheric composition and weather, and more details of exoplanetary systems. Comparative planetology can now be extended beyond the Solar System. With large numbers of exoplanet systems already known and growing, the science can move from our single example to a statistically significant sample size. There is strong interplay possible when the Solar System and exoplanet systems are compared and contrasted. NASA has commissioned an Exoplanet Program Analysis Group, ExoPAG, to provide analyses to the NASA Advisory Council's Astrophysics Subcommittee. This workshop will introduce the ExoPAG and its Study Analysis Groups (SAGs) will make short presentations. In light of the release of the Astronomy and Astrophysics Decadal Survey, SAG goals will be presented.

Monday, Oct 04, 2010, 3:30 PM – 3:40 PM

### **Introduction: Purpose and structure of the ExoPAG**

J. Kasting<sup>1</sup>

<sup>1</sup>*Pennsylvania State University*

Monday, Oct 04, 2010, 3:40 PM – 4:00 PM

### **SAG 1: Debris Disks and Exozodiacal Dust**

T. Greene<sup>1</sup>

<sup>1</sup>*NASA Ames Research Center*

Monday, Oct 04, 2010, 4:00 PM – 4:20 PM

### **SAG 2: Potential for Exoplanet Science Measurements from Solar System Probe**

D. Bennett<sup>1</sup>

<sup>1</sup>*University of Notre Dame*

Monday, Oct 04, 2010, 4:20 PM – 4:30 PM

### **SAG 4: Planetary Measurements Needed for Exoplanet Characterization**

J. Kasting<sup>1</sup>

<sup>1</sup>*Pennsylvania State University*

Monday, Oct 04, 2010, 4:30 PM – 4:50 PM

### **SAG 5: State of External Occulter Concepts and Technology**

C. Noecker<sup>1</sup>

<sup>1</sup>*Ball Aerospace & Technologies Corp.*

Monday, Oct 04, 2010, 4:50 PM – 5:10 PM

### **SAG 3: Planetary Architecture and Dynamical Stability**

B. Hansen<sup>1</sup>

<sup>1</sup>*University of California Los Angeles*

Monday, Oct 04, 2010, 5:10 PM – 5:30 PM

### **Discussion of Astro 2010 report (Astronomy & Astrophysics Decadal Review)**

J. Kasting<sup>1</sup>

<sup>1</sup>*Pennsylvania State University*