Exploring Strange New Worlds: From Giant Planets to Super Earths

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“Strange New Worlds” is the 6th meeting in a series of international scientific conferences on present and future observations of exoplanets from space.

Follow-on to the 2009 Barcelona meeting “Pathways to Habitable Planets”
The Organizing Committees

**Scientific Organizing Committee**

- Chas Beichman (NExScI) – Co-Chair
- Malcolm Fridlund (ESA) – Co-Chair
- Willie Benz (Obs. De Besancon)
- Adam Burrows (Princeton)
- Mark Clampin (GSFC)
- Vincent Coude du Foresto (LESIA)
- Rene Doyon (Univ. of Montreal)
- Dawn Gelino (NExScI/Caltech)
- Jeffrey Hall (Lowell Obs.)
- Heidi Hammel (AURA)
- Artie Hatzes (Thuringia State Obs.)
- John Johnson (Caltech)
- Ken Johnston (USNO)
- Pierre-Olivier Lagage (CEA)
- Bruce Macintosh (LLNL)
- Vicki Meadows (University of Washington)
- Lisa Prato (Lowell)
- Andreas Quirrenbach (Univ. of Heidelberg)
- I. Neill Reid (STScI)
- George Rieke (Univ. of Arizona)
- Marcia Rieke (Univ. of Arizona)
- Sara Seager (MIT)
- Larry Soderblom (USGS)
- Motohide Tamura (NAOJ)
- Wes Traub (JPL)
- Steve Unwin (JPL)

**Local Organizing Committee**

- Dawn Gelino (NExScI/Caltech) - Chair
- Jeffrey Hall (Lowell) – Co-Chair
- Carolyn Brinkworth (NExScI/Caltech)
- Kathy Golden (NExScI)
- David Koerner (NAU)
- Patrick Lowrance (SSC/Caltech)
- Helga Mycroft (NExScI)
- Ellen O’Leary (NExScI)
- Ozhen Pananyan (JPL)
- Lisa Prato (Lowell)
- Paul Shankland (USNO Flagstaff)
- Steve Unwin (JPL)
THANK YOU to our conference sponsors!
Workshop Logistics and General Info

• **Posters**
  - ~115 on display in Agassiz-Fremont until the end of the day on Thursday
  - Electronic poster advertisements can be seen on the displays in the lobby area

• **Booths and Handouts**
  - Several conference sponsors have booths and/or handouts
  - Local restaurant maps (also on website)

• **Breakfast and Morning/Afternoon Breaks**
  - Breakfast available at 7:30 am
    - Monday-Thursday in the Agassiz-Fremont (POSTER) Room
    - Friday in the hallway outside the conference room

• **Lunch**
  - Monday, Tuesday, and Thursday: Lunch will be served at the conference center with dining tables set-up in the Doyle-Rees Room
  - Wednesday: Box lunch for tour participants only
  - Friday: You’re on your own

• **Security**
  - Please do not leave valuables overnight in the conference center.

• **Lastly, please silence your cell phones and laptops!**
**Workshop Events**

- **Monday – Banquet Deadline & Geoff Marcy Public Lecture**
  - 3 pm: Deadline to sign up for conference banquet
  - 7:30 pm: Geoff Marcy public lecture in Prochnow Auditorium, free tickets available at the registration desk

- **Tuesday – Group Picture & Lowell Obs. Reception**
  - 9:50 am: Group picture in lobby during morning break
  - 6:30-9:00 pm: Reception at Lowell Observatory (two drink tickets in your badge)/ Carpool signups on message board

- **Wednesday – Afternoon Field Trips**
  - 12:30 pm: Box lunches available for tour participants only
  - 1:00 pm: Buses depart for Meteor Crater/Vans to Anderson Mesa

- **Thursday – Grand Canyon Deadline & Conference Banquet**
  - 5:00 pm: Deadline to sign up for May 7 day trip to Grand Canyon
  - 6:00 pm: conference banquet and lecture at Forest Highlands/ Carpool signups on message board
Earth-Size Planets and Intelligent Life in the Universe
A free public lecture by Dr. Geoffrey Marcy, Univ. of California, Berkeley
7:30 pm Monday, May 2, 2011, Prochnow Auditorium at NAU
Brought to you by NASA’s Exoplanet Exploration Program
tickets for this free event will be available at the door or
By request from at StrangeNewWorlds@ipac.caltech.edu

Science fiction portrays our Milky Way Galaxy as filled with habitable planets populated by advanced civilizations engaged in interstellar trade and conflict. Back in our real universe, Earth-like planets and alien life have proved elusive. Has science fiction led us astray? NASA recently launched a new space-borne telescope, Kepler, dedicated to discovering the first Earth-like worlds around other stars. The first results are startling and profound. How common are worlds that are suitable for life? What properties make a planet livable? How common is life in the universe, especially intelligent life? New telescopic and biological observations are providing the first answers to these questions. Dr. Marcy’s planet-hunting team has confirmed the highest number of exoplanet discoveries to date.
Lowell Observatory Reception

- Tuesday Reception at Mars Hill, Lowell Observatory
  - 6:30PM – 9 PM
- Light refreshments and snacks (not dinner) will be served
- Each registrant has received a ticket for one drink (beer, wine, soda). Additional non-alcoholic drinks may be purchased
- Tour the facilities:
  - Visitors can enjoy the view through a variety of telescopes including Percival Lowell's 24" Alvan Clark refractor
  - Visitor Center
  - Rotunda Museum
  - Gift Shop
- Attendees should park in the visitor parking spaces and are strongly encouraged to carpool
Wednesday Meteor Crater Tour

Tour is now closed. If you’ve decided not to attend, you can give/sell your ticket to a colleague. Sorry no refunds!

• Box lunches are for tour attendees only!
• Ticket in your badge indicates your group:
  • Group hiking to crater floor with Drew Barringer
  • Group A or B for crater rim hike/talk
• Schedule:
  • 12:30 pm – pick-up your box lunch
  • 1:00 pm – buses leave for 45 min drive to crater
  • 2:30 pm – group ready to start hike to crater floor
  • 2:45 pm – Group A start rim hike with Nadine Barlow – gather by large meteorite in museum (Group B visit crater museum)
  • 3:45 pm – Group A start rim hike with Nadine Barlow – gather by large meteorite in museum (Group A visit crater museum)
  • ~5:00 pm – start drive back to conference center
• Dress appropriately for hiking, wind, sun, and bring water!
Wednesday Anderson Mesa Tour

- Tour is now closed. If you’ve decided not to attend, you can give/sell your ticket to a colleague. Sorry no refunds!
- Box lunches are for tour attendees only!
- Ticket in your badge
- Schedule:
  - 12:30 pm – pick-up your box lunch
  - 1:00 pm – vans leave from HCCC
  - 1:25 pm – arrive at Anderson Mesa
    - Tour Lowell telescopes (Wes Lockwood/Brian Skiss) and NPOI (Don Hutter)
  - ~3:00 pm – leave for Happy Jack/DCT
  - 3:30 pm – arrive at Happy Jack for tour with Steve Levine/Bill DeGroff
  - 4:30 pm – start drive back to conference center
  - 5:20 pm – arrive at HCCC
- Dress appropriately for walking, wind, sun and bring water!
Thursday Night Banquet

- At Forest Highlands Golf Club, ~8 miles southwest of HCCC
  - Driving directions are on the conference website
  - Ridesharing encouraged / sign-up board in lobby
  - Upon arrival, tell the guard that you are with the NASA group at the Canyon Clubhouse
    - 6:00-7:15 pm cocktails
    - 7:15 pm dinner is served
    - 8:30 pm dessert and lecture by Bryan Bates: “Archeoastronomy of Northern Arizona”
- If you are attending the banquet, you should have in your badge:
  - Two drink tickets which may be used for wine, beer, soda or an after dinner liqueur (additional drinks can be purchased)
  - One ticket indicating your choice of entrée
- Additional dinner tickets ($25 each) may be purchased by 3 pm today. Please also let us know by 3 pm if you have changed your mind about attending (although there are no refunds).
Speaker Instructions

40 minute Invited talks:
- Includes 8 minutes for questions
- Yellow card means 5 minutes left
- Red card means 2 minutes left

15 minute Contributed talks:
- Includes 3 minutes for questions
- Yellow card means 3 minutes left
- Red card means 1 minute left

When timer sounds
NO TIME LEFT!!

- ALL speakers are required to use the presentation laptops

  - Speaker Ready Room is upstairs in the Aspen room
  - We recommend speakers load your presentations onto the presentation computers at least one coffee break before their talks
    - The earlier the better, especially if you have movies/animation!
Connecting to the Internet

1. Connect to one of the following NAU Networks:
   - NAUB58B
   - NAUB58G
   - Conference1
   - Conference2

2. Open web browser and go to any website

3. Accept terms of use (no password is required)

   • Please note that use of the NAU wireless network is restricted to web and VPN protocols only
   • Attendees are expected to use their home institution's VPN to access non web-based email or any other resources not available via a web browser
   • Please be courteous and avoid downloading large amounts of data
Let’s Get Started!

Have Fun and Enjoy the Conference!

...from Barcelona to Flagstaff...