

NASA ISS Research Academy and Pre-application Meeting
August 3-5, 2010
South Shore Harbour Resort & Conference Center
2500 South Shore Blvd., League City, TX 77573

Registration, General Information and Agenda (FINAL)

This information sheet was updated: Monday, August 2, 2010, 11:00am CT

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| Main Meeting Room: | MARINA PLAZA BALLROOM |
| Overflow Meeting Room: | AMPHITHEATER |
| Implementation Partner Display Tables: | BACCARAT and STEUBEN Rooms |
| Onsite Lunch Option: | PARADISE REEF RESTAURANT |

COURSE DESCRIPTION

The objectives of the NASA ISS Research Academy are:

1. To provide new principal investigators and payload developers an overview of the capabilities of the ISS for research and the unique advantages of ISS for doing groundbreaking research.
2. To educate the participants about available ISS research opportunities and the process to follow to apply for these opportunities from NASA and the National Institutes of Health (NIH).
3. To introduce new principal investigators to the various implementation partners that can provide hardware for different disciplines of research. The principal investigators and implementation partners will have time to evaluate the ability of different types of hardware to accomplish specific research objectives of the principal investigator.
4. To provide new ISS principal investigators (PIs), project scientists (PSs), and payload developers (PDs) a good understanding of the NASA ISS Payload Planning, Integration and Operation Process.
5. To inform PIs, PSs and PDs about several services that the NASA ISS Payloads Office has available as part of the overall Payload Integration Process to help them during their payload integration process for a successful vehicle-payload integration and on-orbit operations.

FINAL AGENDA -- THE FOLLOWING TOPICS WILL BE COVERED:

Day One: Microgravity Science

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| Registration, Check-In, Presentation Materials CD Pickup | 7:00 am | |
| 1. ISS Payloads Office Overview | W. Rod Jones / JSC | 8:00 am |
| 2. ISS On Orbit Facilities | J. Robinson / JSC | 8:15 am |
| 3. Microgravity Influence on Biological Systems: | | |
| a. Cellular Biology | N. Pellis / JSC | 8:45 am |
| b. Biological Macromolecular Crystal Growth | Y. Young / MSFC | 9:15 am |
| <i>Break</i> | | 9:45 am |
| c. Plants | H. Levine / KSC | 10:00 am |
| d. Animals – Vertebrate Models | R. Globus /ARC | 10:30 am |
| e. Animals – Invertebrate Models | J. Cohen / ARC | 11:00 am |
| f. Impacts on Humans | J. Charles / JSC | 11:30 am |
| <i>Lunch</i> | | 12:00 pm |
| 4. Microgravity Influence on Physical Systems: | | |
| a. Acceleration Environment and Effects | B. Motil / GRC | 1:00 pm |
| b. Fluid Physics | B. Motil / GRC | 1:30 pm |
| c. Combustion Science | D. Urban / GRC | 2:00 pm |
| d. Materials Science | S. Lehoczky / MSFC | 2:30 pm |
| <i>Break</i> | | 3:00 pm |

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| 5. External Research | | |
| a. Fundamental Physics | U. Israelsson / JPL | 3:15 pm |
| b. Earth Science, Astrophysics and Space Science | B. Giles / HQ | 3:45 pm |
| 6. ISS Research Results Panel Discussion | All Presenters | 4:30 pm |
| <i>Adjourn</i> | | 5:00 pm |

Day Two: Research Opportunities and Implementation Partners

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|---|-----------------------------------|----------------|
| Registration, Check-In, Presentation Materials CD Pickup | | 7:00 am |
| 7. ISS Research Opportunities | B. Giles / HQ | 8:00 am |
| • NASA Science Mission Directorate | | |
| 8. ISS Research Opportunities | M. Edeen / JSC | 8:30 am |
| • ISS National Lab AO/BAA | | |
| 9. ISS Research Opportunities | J.M. Jessup and D.T. George / NIH | 9:15 am |
| • NIH BioMed-ISS FOA | | |
| <i>Break</i> | | 10:15 am |
| 10. ISS Research Opportunities Joint Discussion | NASA, NIH, and Attendees | 10:30 am |
| <i>Lunch</i> | | 12:00 pm |
| 11. Implementation Partners: What and Who Are They and How They Can Help You | | 1:00 pm |
| a. Teledyne Brown | Carmine Bailey | 1:00 pm |
| b. United Space Alliance | John Selmarten | 1:15 pm |
| c. Tec-Masters | Andrew Tygielski | 1:30 pm |
| d. CubeLab | Jason Rexroat | 1:45 pm |
| e. Boeing | Amanda Rice | 2:00 pm |
| f. Techshot | Rich Boling | 2:15 pm |
| g. Orbitec | Robert Richter | 2:30 pm |
| h. Astrium | Ulrich Kuebler | 2:45 pm |
| i. Astrium | Ron Dunklee | 2:55 pm |
| j. ARC | Cecilia Wigley | 3:00 pm |
| k. Wyle | Tacey Baker | 3:15 pm |
| l. BioServe | Stefanie Countryman | 3:30 pm |
| m. Cold Stowage Resources (JSC) | Susan Hutchison | 3:45 pm |
| n. UAB | Lee Moradi | 4:00 pm |
| o. SpaceX | Erin Beck | 4:15 pm |
| <i>Adjourn</i> | | 5:00 pm |

Day Three: ISS Payload Integration Process Description, Process Improvement, and Best Practices (focus on NASA and Implementation Partners)

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|---|-------------------|----------------|
| Registration, Check-In, Presentation Materials CD Pickup | | 7:00 am |
| 12. Research Planning Process | R. Lofton / JSC | 8:00 am |
| 13. Mission Integration Process | G. Norris / JSC | 8:30 am |
| 14. Engineering Integration Process | M. Miller / JSC | 9:00 am |
| 15. Software Integration Process | A. Rice / MSFC | 9:30 am |
| 16. Lean Integration Process | A. Rice / MSFC | 10:00 am |
| <i>Break</i> | | 10:30 am |
| 17. Payload Safety Review Process | T. Wong / JSC | 10:45 am |
| 18. Payload Operations Integration Process | C. Price / MSFC | 11:15 am |
| <i>Lunch</i> | | 12:00 pm |
| 19. Launch and Landing Support | J. Wahlberg / KSC | 1:00 pm |
| 20. Real-Time Operations | C. Price / JSC | 1:30 pm |

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| 21. Ground Facilities | | |
| a. GRC Facilities | B. Motil / GRC | 2:00 pm |
| b. MSFC Facilities | A. Sledd / MSFC | 2:20 pm |
| c. MSFC Facilities | A. Rice / MSFC | 2:40 pm |
| <i>Break</i> | | 3:00 pm |
| 22. Process Improvement Discussion and Best Practices (<i>by invitation only</i>) | | 3:15 pm |
| <i>Adjourn</i> | | 5:00 pm |

LUNCH OPTION: Each day of the meeting there will be a 1-hour break for lunch. Attendees may dine off-site at a restaurant of their choosing or at the South Shore Harbour restaurant. The hotel’s Paradise Reef Restaurant will offer a lunch buffet for \$12.00 per person (includes tax & gratuity), open from 11:00am to 2:00pm. The menu changes daily. Sample: *Soup & Salad Bar, (3) Main Entrée Items, Variety of Vegetables, Starches & Side Items, Assorted Cakes & Pies, Iced Tea, Iced Water & Coffee*

There will be a registration desk set up outside the Baccarat Room for attendees who wish to use that option daily to pay and pick up their lunch ticket, otherwise the regular price is about \$20.00 per person.

CHECK-IN and WALK-IN REGISTRATION:

Each day at 7:00am before the beginning of the meeting sessions, there will be a registration desk available for check-in for those individuals who pre-registered to pick up a name-tag and a presentation materials CD. Walk-in registration will also be available to those not yet registered, however, CDs will be mailed at request.

MEETING LOCATION: The *NASA ISS Research Academy and Pre-application Meeting* will be held at South Shore Harbour Resort and Conference Center: 2500 South Shore Blvd., League City, TX 77573. For more information on this facility, please see: <http://www.sshr.com/>. Presentations will take place in the *Marina Plaza Ballroom*. An overflow room, the *Amphitheater*, will be also available with video and audio feed. A floor layout map is on the last page of this packet.

NO REGISTRATION FEE: There is no registration fee associated with this training. However, all expenses associated with travel, lodging, transportation and miscellaneous are the sole responsibility of the attendees. All training material will be provided in the form of a CD free of charge by NASA. For more information on this training, please see: http://www.nasa.gov/mission_pages/station/science/nlab/nlab_conferences.html

HOW TO REGISTER: To register for this training, please email your full name, title, affiliation, mailing address, telephone and fax numbers, email address and citizenship information to: jsc-iss-payloads-helpline@mail.nasa.gov. *If you are an Implementation Partner and need a 6-foot table for display, please note that they are limited and available on a first-come, first-served basis, so indicate in your registration email if you will need a table (Limit: 1 table per Implementation Partner).* Finally, please put “NASA ISS Research Academy” in the subject field of your email. No paper registration will be accepted. Each applicant will receive an acknowledgement within two (2) business days as confirmation. If no confirmation is received, please call Roger Weiss, NASA/JSC-ISS, at 281-244-6187 or 281-244-7716.

CONTACT: If you need more information or have questions regarding this training, please contact:

Marybeth Edeen
 Manager, ISS National Laboratory Office
 Phone: 281-483-9122, marybeth.a.edeen@nasa.gov

PROCEEDINGS: All lecture material will be distributed in CD form to pre-registered attendees at check-in for training. Walk-in attendees will be mailed a CD upon request.

IMPLEMENTATION PARTNERS INFORMATION:

Any Implementation Partner who desires to rent a room to set-up his/her own displays should contact Kim Keen at the address below. Please inform Kim that your activity is being held in concert with the NASA/JSC event taken place on August 3-5 in the Marina Plaza Ballroom. This will help in getting you a room located in close proximity to the Marina Plaza Ballroom. For room rental info, please contact:

Kim Keen, South Shore Harbour and Conference Center, 281-334-1000, ext.# 2024

Note: As mentioned above, a limited number of 6-foot tables are available on a first-come, first-served basis for Implementation Partner displays, so please indicate in your registration email if you will need a table. (Limit: 1 table per Implementation Partner).

ACCOMMODATION:

There are many hotels located in Clear Lake/Bay Area from which attendees can choose to stay during the three-day event. The South Shore Harbor Resort and Conference Center, the location where this activity will be held, has set-up an overnight guest room block at the rate of \$99.00/per night for anyone attending this event. To take advantage of this rate, one needs to call: 281-334-1000 and ask for "In-House Reservations (ext # 550)" and identify yourself with "NASA ISS Research Academy". If you have any problem making your reservation, please ask to speak to Sharon Whitten in the Sales Department. To see more detailed information on the hotel, please see: <http://www.sshr.com/>

HARDWARE DISPLAY LOGISTICS:

Shipping: If you are planning to ship your package to the resort, you will need to make arrangements for that when calling to reserve your room. Be sure to ask where to locate your package for setup on Monday afternoon.

Tables and Setup: Tables will be available for display setup on [Monday, August 2, beginning at 2:00pm and must be completed by 5:00pm](#). If you reserved a table and received a confirmation, there will be a sign with your organization's name attached to the display table that is assigned to you upon your arrival. Tables will be set up in the adjoining Baccarat and Steuben Rooms (*see map on last page*).

Power: Reminder that IPs need to bring long extension power cords if you need access to power, or you may request one from the AV tech for \$35.00 per day.

Internet Access: Wireless internet access is available in the lobby of South Shore Harbour. A working online signal is not guaranteed to be available in the meeting, overflow, or display rooms.

Assistance: Technical help will be provided and available *only* during the setup time, Monday, 2:00pm to 5:00pm. Please go to the front desk and ask for Kim Keen if you need assistance.

**MAP of South Shore Harbour Resort & Conference Center
2500 South Shore Blvd., League City, TX 77573**

Pertinent Area Locations for NASA ISS Research Academy and Pre-application Meeting

