



# 2007 JUSTSAP Symposium

“Expanding International Collaboration for Space Exploration”

*Waikoloa Beach Marriott Resort  
Kohala Coast, Island of Hawaii  
November 11-15, 2007*

Date	Time	Event
<b>Nov. 11</b> (Sunday)		<b><u>Pre-Symposium Activities</u></b>
	13:00 – 18:00	<b>Delegate Registration</b> <i>Paniolo Ocean Terrace</i>
	15:00 – 17:30	<b>JUSTSAP Steering Committee Meeting I</b> <i>Naupaka VII</i>
	18:30 – 20:00	<b>Delegate Reception</b> <i>Paniolo Ocean Terrace</i>
<b>Nov. 12</b> (Monday)	7:30 – 15:00	<b>Delegate Registration</b> <i>Naupaka Foyer</i>
	7:30 – 8:30	<b>Continental Breakfast</b> <i>Paniolo Ocean Terrace</i>
		<b><u>OPENING CEREMONIES</u></b> <i>Naupaka IV</i>
	8:30 – 8:50	<b><i>Ho’okipa I Ka Malihini</i></b> Mr. Takaji Kuroda-sensei, <i>JUSTSAP Co-Founder</i> <i>JUSTSAP Japan Association</i> Mr. Ted Liu, <i>Director</i> <i>Dept. of Business, Economic Development &amp; Tourism/State of Hawaii</i>
	8:50 – 9:20	<b><i>The Year in Review</i></b> Dr. Takashi Iida, <i>Japan Vice-Chairman</i> <i>JUSTSAP</i> Dr. Frank Schowengerdt, <i>U.S. Vice-Chairman</i> <i>JUSTSAP</i>
	9:20 – 9:40	<b><i>Symposium Theme:</i></b> <b><i>Expanding International Collaboration for Space Exploration</i></b> Stephen Day, <i>Chairman</i> <i>JUSTSAP</i>

<b>Date</b>	<b>Time</b>	<b>Event</b>
Nov. 12	9:40 – 10:00	<b><i>Hawaii's Expanding Role on the Space Frontier</i></b> The Honorable George R. Ariyoshi <i>Former Governor of the State of Hawaii and Honorary U.S. Advisor – JUSTSAP</i>
	10:00 – 10:15	<b><i>Symposium Agenda &amp; Logistics</i></b> Mr. Jim Crisafulli, <i>Executive Director</i> <i>JUSTSAP Secretariat</i>
	10:15 – 10:45	<b><i>Refreshments &amp; Group Photo Session</i></b> <i>Paniolo Ocean Terrace</i>
	10:45 – 11:45	<b><i>Space Exploration Roundtable: Commercial Space Opportunities for Earth and the Moon</i></b> Dr. Dan Rasky, <i>Director</i> <i>NASA Ames Space Portal</i> Mr. Greg Schmidt, <i>Lead for Strategic Initiatives</i> <i>NASA Ames Space Portal</i> Ms. Lynn Harper, <i>Lead for Integrative Studies</i> <i>NASA Ames Space Portal</i> Mr. Jim Grady, <i>Chief Strategy Officer</i> <i>NASA Ames Space Portal</i>
	11:45 – 12:30	<b><i>Keynote Address: Innovating Strategic Partnerships for the Space Frontier</i></b> Ms. Marguerite Broadwell, <i>Manager</i> <i>Strategic Planning &amp; Partnerships</i> <i>Exploration Systems Mission Directorate</i> <i>NASA Headquarters</i>
	12:30 – 13:45	<b><i>Luncheon</i></b> (Host: U.S. Secretariat) <i>Ali'i I and II</i> Speaker: Dr. Paul Eckert <i>International &amp; Commercial Strategist for Business Development</i> <i>Space Exploration Systems – The Boeing Company</i> Topic: <i>Options and Opportunities for Innovative Space Commerce</i>
		<b><u>PROJECT TEAMS PLENARY</u></b> <i>Naupaka IV</i>
	13:45 – 14:30	<b><i>Pacific International Space Center for Exploration Systems (PISCES)</i></b> Dr. Frank Schowengerdt – <i>U.S. Vice Chairman, JUSTSAP</i> Dr. Robert Fox – <i>University of Hawaii at Hilo</i> Dr. Osamu Odawara – <i>Tokyo Institute of Technology</i> Dr. Michael Duke – <i>Student Competition</i>

<b>Date</b>	<b>Time</b>	<b>Event</b>
<b>Nov. 12</b>	14:30 – 15:15	<i>Commercial Utilization of the International Space Station</i> Dr. Paul Eckert, <i>The Boeing Company</i> Dr. Alex Ignatiev – <i>Center for Advanced Materials, University of Houston</i>
	15:15 – 15:30	<b>Refreshment Break</b> <i>Naupaka Foyer</i>
	15:30 – 16:15	<i>Space-Based Energy Systems</i> Dr. John Mankins, <i>ARTEMIS Innovation Management Solutions</i> Dr. Nobuyuki Kaya, <i>Kobe University</i>
	16:15 – 17:00	<i>Advanced Satellites for Communications &amp; Earth Observation</i> Dr. James Beitchman, <i>JGB Consult</i> Dr. Takashi Iida, <i>NICT Japan</i> Dr. Yoshiaki Suzuki, <i>NICT Japan</i>
	17:00 – 17:45	<i>Robotic Precursor Missions to the Moon and Mars</i> Dr. William Larson, <i>NASA Kennedy Space Center</i> Dr. Jerry Sanders, <i>NASA Johnson Space Center</i> Dr. Terry Fong, <i>NASA Ames Research Center</i> Dr. Kai Matsui, <i>Japan Aerospace Exploration Agency (JAXA)</i>
	18:30 – 21:00	<b>Reception &amp; Dinner</b> (Host: U.S. Secretariat) <i>Naupaka Gardens</i>
<b>Nov. 13</b> (Tuesday)	7:00 – 8:00	<b>Continental Breakfast</b> <i>Naupaka Foyer</i>
	8:00 – 10:00	<b><u>Project Team Meetings</u></b> <ul style="list-style-type: none"><li>▪ ISS Commercial Utilization <i>Paniolo I</i></li><li>▪ Space-Based Energy Systems <i>Paniolo II</i></li><li>▪ Advanced Satellites for Communications &amp; Earth Observation <i>Paniolo III</i></li><li>▪ Robotic Precursor Missions to the Moon and Mars <i>Ali'i III</i></li></ul>
	10:00 – 10:15	<b>Refreshment Break</b> <i>Naupaka Foyer</i>

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	12:00 – 13:30	<b>Luncheon</b> (Host: Japan JUSTSAP Association) <i>Ali'i I and II</i>  Speaker: Mr. Kazumori Hama <i>Institute for Unmanned Space Experiment Free Flyer</i>  Topic: <i>SERVIS-1 Space Verification Results and Next Steps</i>
	13:30 – 15:00	<b><u>Project Team Meetings</u></b> <ul style="list-style-type: none"><li>▪ ISS Commercial Utilization <i>Paniolo I</i></li><li>▪ Space-Based Energy Systems <i>Paniolo II</i></li><li>▪ Advanced Satellites for Communications &amp; Earth Observation <i>Paniolo III</i></li><li>▪ Robotic Precursor Missions to the Moon and Mars <i>Ali'i III</i></li></ul>
	15:00 – 15:30	<b>Refreshment Break</b> <i>Naupaka Foyer</i>
	15:30 – 18:00	<b>Intramural Activities</b> <ul style="list-style-type: none"><li>▪ <i>Bilateral Golf Tournament</i></li><li>▪ <i>Race for Space Treasure Hunt</i></li><li>▪ <i>Bilateral Tennis Tournament</i></li></ul>
	19:00 – 21:00	<b>Reception &amp; Dinner</b> (Host: JUSTSAP Japan Association) <i>Lu'au Grounds</i>

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<b>Date</b>	<b>Time</b>	<b>Event</b>
<b>Nov. 14</b> (Wednesday)	7:00 – 8:00	<b>Continental Breakfast</b> <i>Paniolo Ocean Terrace</i>
	8:00 – 10:00	<b><u>Project Team Meetings</u></b> <ul style="list-style-type: none"><li>▪ ISS Commercial Utilization <i>Paniolo I</i></li><li>▪ Space-Based Energy Systems <i>Paniolo II</i></li><li>▪ Advanced Satellites for Communications &amp; Earth Observation <i>Paniolo III</i></li><li>▪ Robotic Precursor Missions to the Moon and Mars <i>Ali'i III</i></li></ul>
	10:00 – 10:15	<b>Refreshment Break</b> <i>Naupaka Foyer</i>
	10:15 – 11:45	<b><u>Project Team Meetings</u></b> <ul style="list-style-type: none"><li>▪ ISS Commercial Utilization <i>Paniolo I</i></li><li>▪ Space-Based Energy Systems <i>Paniolo II</i></li><li>▪ Advanced Satellites for Communications &amp; Earth Observation <i>Paniolo III</i></li><li>▪ Robotic Precursor Missions to the Moon and Mars <i>Ali'i III</i></li></ul>
	11:45 – 13:00	<b>Luncheon (Host: U.S. Secretariat)</b> <i>Ali'i I and II</i>  Speaker: Dr. Dan Rasky, Director <i>NASA AMES Space Portal</i>  Topic: <i>Innovation and Entrepreneurship on the Space Frontier</i>
	13:15 – 15:30	<b>JUSTSAP Steering Committee Meeting II</b> <i>Naupaka IV</i>
	16:00 – 21:00	<b>Historic Kona Village Tour and Sunset Lu'au</b>

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<b>Date</b>	<b>Time</b>	<b>Event</b>
<b>Nov. 15</b> (Thursday)	7:30 – 8:30	<b>Continental Breakfast</b> <i>Paniolo Ocean Terrace</i>
		<b><u>CLOSING PLENARY</u></b> <i>Naupaka IV</i>
	8:30 – 10:30	<b><i>Project Reports</i></b> <i>Project Team/Working Group Leaders</i> <ul style="list-style-type: none"><li>▪ ISS Commercial Utilization</li><li>▪ Space-Based Energy Systems</li><li>▪ Advanced Satellites for Communications &amp; Earth Observation</li><li>▪ Robotic Precursor Missions to the Moon and Mars</li></ul>
	10:30 – 10:45	<b><i>Steering Committee Report</i></b> <i>Mr. Stephen Day, Steering Committee Chairman</i>
	10:45 – 11:15	<b><i>Annual JUSTSAP Awards</i></b> <ul style="list-style-type: none"><li>▪ <i>Outstanding Sustained Service Awards – Individual</i></li><li>▪ <i>Outstanding Sustained Service Awards – Team</i></li><li>▪ <i>Outstanding Sustained Service Awards – Institutional</i></li><li>▪ <i>Burton I. Edelson Memorial Awards for Distinguished Service</i></li><li>▪ <i>The Space Exploration Pioneer Award</i></li></ul>
	11:15 – 11:30	<b><i>Next Steps and Concluding Remarks</i></b> <i>JUSTSAP Chairman</i>