



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
Nov. 10 (Saturday)	All Day	Optional Tour of PISCES Candidate Sites, NASA Robotic Demonstrations, and the Mauna Kea Observatories
Nov. 11 (Sunday)		<u>Pre-Symposium Activities</u>
	13:00 – 18:00	Delegate Registration & Information <i>Paniolo Ocean Terrace</i>
	15:00 – 17:30	JUSTSAP Steering Committee Meeting I <i>Naupaka VII</i>
	18:30 – 20:00	Delegate Reception <i>Paniolo Ocean Terrace</i>
Nov. 12 (Monday)	7:30 – 15:00	Delegate Registration & Information <i>Naupaka Foyer</i>
	7:30 – 8:30	Continental Breakfast <i>Paniolo Ocean Terrace</i>
		<u>OPENING CEREMONIES</u> <i>Naupaka IV</i>
	8:30 – 9:00	<i>Ho’okipa I Ka Malihini</i> Mr. Takaji Kuroda-sensei, JUSTSAP Co-Founder <i>JUSTSAP Japan Association</i> Mr. Ted Liu, <i>Director</i> <i>Dept. of Business, Economic Development & Tourism/State of Hawaii</i> Dr. Takashi Iida, <i>Chairman</i> <i>JUSTSAP Japan Association</i> Mr. Mark McGuffie, <i>Executive Director</i> <i>Hawaii Island Economic Development Board</i>
	9:00 – 9:15	<i>The Year in Review</i> Dr. Takashi Iida, <i>Chairman</i> <i>JUSTSAP Japan Association</i> Dr. Frank Schowengerdt, <i>U.S. Vice-Chairman</i> <i>JUSTSAP</i>

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Date	Time	Event
Nov. 12	9:15 – 9:30	<i>Symposium Theme:</i> <i>Expanding International Collaboration for Space Exploration</i> Stephen Day, <i>Chairman</i> <i>JUSTSAP</i>
	9:30 – 9:50	<i>Expanding Hawaii's Role on the Space Frontier</i> The Honorable George R. Ariyoshi <i>Former Governor of the State of Hawaii and</i> <i>Honorary U.S. Advisor – JUSTSAP</i>
	9:50 – 10:00	<i>Symposium Agenda & Logistics</i> Mr. Jim Crisafulli, <i>Executive Director</i> <i>JUSTSAP Secretariat</i>
	10:00 – 10:30	<i>Refreshments & Group Photo Session</i> <i>Paniolo Ocean Terrace</i>
	10:30 – 11:45	<i>Keynote Address: Innovating the Space Frontier</i> Dr. Neil deGrasse Tyson (<i>invited</i>) <i>Director, Hayden Planetarium – American Museum of Natural History</i> <i>Member – NASA Advisory Council</i> <i>Host of NOVA Science Now</i> <i>Visiting Research Scientist and Lecturer – Princeton University</i> <i>Voted "Sexiest Astrophysicist Alive" by People Magazine in 2000</i>
	12:00 – 13:15	Luncheon (Host: U.S. Secretariat) <i>Al'ii I & II</i> Speaker: Dr. Paul Eckert <i>International & Commercial Strategist for Business Development</i> <i>Space Exploration Systems – The Boeing Company</i> Topic: <i>Options and Opportunities for Innovative Space Commerce</i>
		<u>PROJECT TEAMS PLENARY</u> <i>Naupaka IV</i>
	13:30 – 14:15	<i>Pacific International Space Center for Exploration Systems (PISCES)</i> Dr. Frank Schowengerdt – <i>Vice Chairman for U.S. – 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>
	14:15 – 15:00	<i>Commercial Utilization of the International Space Station</i> Dr. Paul Eckert– <i>The Boeing Company</i> Dr. Mark Uhran, <i>Assistant Associate Administrator – NASA</i> Dr. Alex Ignatiev – <i>Center for Advanced Materials, University of Houston</i>
	15:00 – 15:45	<i>Space-Based Solar Power</i> Dr. John Mankins, <i>ARTEMIS Innovation Management Solutions</i> Dr. Nobuyuki Kaya, <i>Kobe University</i>

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Date	Time	Event
Nov. 12	15:45 – 16:00	Refreshment Break <i>Naupaka Foyer</i>
	16:00 – 16:45	<i>Advanced Satellites for Communications & Earth Observation</i> Mr. Stephen Day, <i>Chairman – JUSTSAP</i> Dr. Takashi Iida, <i>Japan Vice Chairman – JUSTSAP</i> Dr. Yoshiaki Suzuki, <i>NICT Japan</i> U.S. Satellite Industry Representative (<i>TBD</i>)
	16:45 – 17:30	<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> Mr. Tetsuji Yoshida, <i>Shimizu Corporation</i>
	16:45 – 17:30	Open Time
	19:00 – 21:00	Reception & Dinner (Host: U.S. Secretariat) <i>Naupaka Gardens/Weather Backup in Naupaka Ballrooms</i>
Nov. 13 (Tuesday)	7:30 – 15:00	Delegate Registration & Information <i>Naupaka Foyer</i>
	7:30 – 8:30	Continental Breakfast <i>Paniolo Ocean Terrace</i>
	8:30 – 10:00	<u>Project Team Meetings</u> • ISS Commercial Utilization <i>Paniolo I</i> • Space-Based Solar Power <i>Paniolo II</i> • Advanced Satellites for Communications & Earth Observation (Climate Change) <i>Paniolo III</i> • Robotic Precursor Missions to the Moon and Mars <i>AI ii III</i>
	10:00 – 10:15	Refreshment Break <i>Naupaka Foyer</i>
	10:15 – 12:00	<u>Project Team Meetings</u> • ISS Commercial Utilization <i>Paniolo I</i> • Space-Based Solar Power <i>Paniolo II</i> • Advanced Satellites for Communications & Earth Observation (Climate Change) <i>Paniolo III</i> • Robotic Precursor Missions to the Moon and Mars <i>AI ii III</i>

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Date	Time	Event
Nov. 13	12:00 – 13:30	Luncheon (Host: Japan JUSTSAP Association) <i>Al`ii I & II</i> Speaker: Mr. Kazumori Hama <i>Institute for Unmanned Space Experiment Free Flyer</i> Topic: <i>The SERVIS Project – SERVIS-I Space Verification Results and the Further Step</i>
	13:30 – 15:00	<u>Project Team Meetings</u> <ul style="list-style-type: none">• ISS Commercial Utilization <i>Paniolo I</i>• Space-Based Solar Power <i>Paniolo II</i>• Advanced Satellites for Communications & Earth Observation (Climate Change) <i>Paniolo III</i>• Robotic Precursor Missions to the Moon and Mars <i>Al`ii III</i>
	15:00 – 15:30	Refreshment Break <i>Naupaka Foyer</i>
	15:30 – 18:00	Intramural Activities <ul style="list-style-type: none">▪ <i>Bilateral Golf Tournament</i>▪ <i>Race for Space Treasure Hunt</i>▪ <i>Bilateral Tennis Tournament</i>
	19:00 – 21:00	Reception & Dinner (Host: Japan JUSTSAP Association) <i>Lu`au Grounds/Weather Backup in Naupaka Ballrooms</i>
Nov. 14 (Wednesday)	7:30 – 8:30	Continental Breakfast <i>Paniolo Ocean Terrace</i>
	8:30 – 10:00	<u>Project Team Meetings</u> <ul style="list-style-type: none">• ISS Commercial Utilization <i>Paniolo I</i>• Space-Based Solar Power <i>Paniolo II</i>• Advanced Satellites for Communications & Earth Observation (Climate Change) <i>Paniolo III</i>• Robotic Precursor Missions to the Moon and Mars <i>Al`ii III</i>
	10:00 – 10:15	Refreshment Break <i>Naupaka Foyer</i>

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Nov. 14	10:15 – 11:45	<u>Project Team Meetings</u> <ul style="list-style-type: none">• ISS Commercial Utilization <i>Paniolo I</i>• Space-Based Solar Power <i>Paniolo II</i>• Advanced Satellites for Communications & Earth Observation (Climate Change) <i>Paniolo III</i>• Robotic Precursor Missions to the Moon and Mars <i>Al'ii III</i>
	11:45 – 13:00	Luncheon (Host: U.S. Secretariat) <i>Al'ii I & II</i> Speaker: Dr. Mark Uhran <i>Assistant Associate Administrator – NASA</i> Topic: <i>Commercial Frontiers on the ISS and Beyond</i>
	13:15 – 15:30	JUSTSAP Steering Committee Meeting II <i>Naupaka VII</i>
	15:45 – 21:00	<i>Special Closing Dinner</i> <i>Coconut Grove / Weather Backup in Naupaka Ballrooms</i>
	Nov. 15 (Thursday)	8:00 – 9:00
		<u>CLOSING PLENARY</u> <i>Naupaka IV</i>
	9:00 – 10:30	<i>Project Reports</i> <i>Project Team/Working Group Leaders</i> <ul style="list-style-type: none">• ISS Commercial Utilization• Space-Based Solar Power• Advanced Satellites for Communications & Earth Observation (Climate Change)• Robotic Precursor Missions to the Moon and Mars
	10:30 – 10:45	<i>Steering Committee Report</i> Mr. Stephen Day, <i>Steering Committee Chairman</i>
	10:45 – 11:15	<i>Annual JUSTSAP Awards</i> <ul style="list-style-type: none">• <i>Outstanding Sustained Service Awards – Individual</i>• <i>Outstanding Sustained Service Awards – Team</i>• <i>Outstanding Sustained Service Awards – Institutional</i>• <i>Burton I. Edelson Memorial Awards for Distinguished Service</i>• <i>Space Exploration Pioneer Award</i>
	11:15 – 11:30	Next Steps and Concluding Remarks <i>JUSTSAP Chairman</i>