

SPACE ENVIRONMENT AND KIBO UTILIZATION WORKSHOP (SEKUW)

9-10 February 2017

Vayupak Center, Centra Hotel at Government Complex Centre, Chaeng
Watthana, Bangkok, Thailand

VENUE	Room BB404 Vayupak Center Centra by Centara Government Complex Hotel & Convention Centre Chaeng Watthana, Bangkok, Thailand
DAY-1	
Thursday, 9 February 2017	
Opening SEKUW Day-1 Co-Chairs: Dr.Kritsachai Somsaman (NSTDA), Mr.Fumiaki Tanigaki(JAXA) M.C.: Ms. Napasorn Jongjittanon (GISTDA)	
08:00-12:00	Registration
12:00-13:00	Lunch Break
13:00-13:20	SEKUW report (Dr. Kritsachai Somsaman) Opening and Welcoming Speech Dr. Anond Snidvongs Executive Director Geo-Informatics and Space Technology Development Agency (GISTDA) Opening Speech Mr. Jun Gomi Director for Management and Integration Department, Human Spaceflight Technology Directorate, JapanAerospace Exploration Agency (JAXA) Presented the souvenir to the director, photo session
13:20-13:30	Introduction to JAXA space mission and collaboration

13:30-13:40	<p>Mr. Masanobu Tsuji Director for JAXA Bangkok Office, JAXA</p> <p>Introduction of SEKUW Meeting Objectives</p> <p>Ms. Yoshimi Osada Associate Senior Engineer, JEM(Kibo) Utilization Center Human Spaceflight Technology Directorate, JAXA</p>
Kibo/ISS Utilization Overview	
13:40-14:00	<p>The Latest Status of Kibo Utilization</p> <p>Mr. Fumiaki Tanigaki Associate Senior Engineer JEM (Kibo) Utilization Center. Human Spaceflight Technology Directorate, JAXA</p>
Collaborative Program “Kibo-ABC Initiatives”	
14:00-14:20	<p>Thailand Space Education and Asian Try Zero-G 2017-2018</p> <p>Dr. Kritsachai Somsaman Director of Science Media Division National Science and Technology Development Agency (NSTDA)</p>
14:20-14:40	<p>Thailand - National Space Exploration 2017</p> <p>Dr. Ammarin Pimnoo Researcher and Satellite Engineer, GISTDA Academy, Geo-Informatics and Space Technology Development Agency (GISTDA)</p>
14:40-14:50	Photo session
14:50-15:10	Coffee Break
15:10-15:40	<p>Special Session Kibo-ABC programs: Thai Students' Experiences</p> <ol style="list-style-type: none"> 1. Mr. Tanapat Deesuwan Lecturer, Learning Institute For Everyone <ul style="list-style-type: none"> ▪ Parabolic Flight Batch #2 / 2007 2. Mr. Veerapol Sae-Wang Automotive Engineer, Thai Oil Public Co., Ltd. <ul style="list-style-type: none"> ▪ Parabolic Flight Batch #6 / 2011 3. Dr. Sawat Tantiphawadi Advisor and Special Instructor, Pattani Industrial and Community College

15:40-16:00	<p>4. Mr. Tanapoom Jamphon Science Student, Panyarat High School</p> <ul style="list-style-type: none"> ▪ SPSS President Award Winner, 30th ISTS ▪ Space Seeds for Asian Future 2013 <p>5. Mr. Worawut Janhom Mechanical Engineering Student, KMUTT</p> <ul style="list-style-type: none"> ▪ Asian Try Zero-G 2016 <p>Moderator: Mr. Paritat Theanthong Project Coordinator, National Science and Technology Development Agency (NSTDA)</p>
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Kibo Utilization Activities from Asian Countries

16:00-16:20	<p>Singapore Space Activities Mr. Cheng Hai Tan Singapore Space and Technology Association (SSTA)</p>
16:20-16:40	<p>Research on the Drone technology for the ISS Application Dr. Tai Nakamura Professor, Asian Institute of Technology(AIT) / Senior Advisor to the Director, JAXA</p>
16:40-16:50	<p>Q&A, Discussion and Summary : Day-1</p>

DAY-2

Friday, 10 February 2017

SEKUW Day-2

Co-Chairs: Dr. Kritsachai Somsaman (NSTDA), Mr. Fumiaki Tanigaki (JAXA)

M.C.: Miss Napasorn Jongjittanon (GISTDA)

08:30-09:00	Registration
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Kibo's Microgravity Experiments

09:00-09:10	<p>Welcoming and Introduction for the 2nd Day of Workshop By Co-Chairs</p>
09:10-09:30	<p>Thailand's STEM Revolution Mr. Krit Kunplin Ambassador of U.S. Space & Rocket Center</p>
09:30-10:00	<p>Operation process of Space experiment on Kibo/ISS</p>

	<p><i>“How to create your new mission, How to work with onboard Astronaut”</i></p> <ul style="list-style-type: none"> ▪ Mr. Toru Mori ▪ Mr. Shusuke Ochiai <p>Senior engineer, Advanced Engineering Services (AES)</p>
10:00-10:20	<p>In Vitro Flowering of IndicaRice</p> <p>Dr. Suriyan Cha-um Researcher National Center for Genetic Engineering and Biotechnology (BIOTEC)</p>
10:20-10:30	Q&A
10:30-10:50	Coffee Break and Visiting Exhibition
Small Satellite and CubeSat Mission on Kibo/ISS	
10:50-11:10	<p>Small satellite mission from Kibo ; “J-SSOD : JEM Small Satellite Orbital Deployer”< J-SSOD Utilizations Planning & Key Activities ></p> <p>Mr. Hideyuki Watanabe Associate Senior Engineer JEM Mission Operations and Integration Center Human Spaceflight Technology Directorate, JAXA</p>
11:10-11:30	<p>CubeSat Observation Mission by LESA</p> <p>Mr. Sasis Chuasomboon Learning Center for Earth Science and Astronomy (LESA)</p>
11:30-12:00	<p>KNACKSAT : The 1st Operation CubeSat of Thailand</p> <p>Assoc. Prof. Dr. Suwat Kuntanapreeda Department of Mechanical and Aerospace Engineering Faculty of Engineering, King Mongkut's University of Technology North</p>
12:00-13:00	Lunch Break
13:00-13:40	<p>GNSS / Navigation Satellite and Data Receiver Technology</p> <ul style="list-style-type: none"> ▪ Mr. Raksit Thitipatanapong Engineer, Smart Mobility Research Center, Chulalongkorn University

13:40-14:00	<ul style="list-style-type: none"> ▪ Mr. Sanya Klongnaivai IFST; IOT Tech Startup (Co-founder) <p>Small Satellite Development Technology</p> <p>Dr. Sawat Tantiphawadi Special Instructor, Pattani Industrial and Community College</p>
14:00-14:30	Q&A
14:30-14:50	Coffee Break and Visiting Exhibition
Small Materials Exposed Experiment on Kibo/ISS	
14:50-15:10	<p>Kibo Space Exposure Experiment “ExHAM”</p> <p>Mr. Hideyuki Watanabe Associate Senior Engineer, JEM Mission Operations and Integration Center, Human Spaceflight Technology Directorate, JAXA</p>
15:10-15:30	<p>Q&A: J-SSOD and ExHAM</p> <p>JAXA</p>
Summary	
15:30-16:00	<ul style="list-style-type: none"> ▪ Discussion and Summary ▪ Closing Remarks