



## SPACE ENVIRONMENT AND KIBO UTILIZATION WORKSHOP (SEKUW)

18-19 APRIL 2016

NATIONAL PLANETARIUM, KUALA LUMPUR

| <b>DAY 1</b>                                      |  |
|---|--|
| <b>VENUE</b>                                      | <b>ORION ROOM (TEATRET)</b>  |
| <b>Monday, 18 April 2016</b>                      |  |
| <b>Emcee: Ms. Zahira Mohd Radzi</b>               |  |
| <b>9:30 – 10:00 am</b>                            | <b>Registration</b>  |
| <b>10:00 – 10:10 am</b>                           | <b>Opening and welcoming speech</b><br>Dr. Noordin bin Ahmad<br>Director General of ANGKASA<br>National Space Agency of Malaysia (ANGKASA)   |
| <b>10:10 – 10:20 am</b>                           | <b>Introduction to APRSAF</b><br>Mr. Masanobu Tsuji<br>Director for JAXA Bangkok Office<br>Japan Aerospace Exploration Agency (JAXA)   |
| <b>10:20 – 10:30 am</b>                           | <b>Introduction of SEKUW Meeting objectives</b><br>Ms. Yoshimi Osada<br>Kibo Utilization for Asia-Pacific region<br>Human Spaceflight Technology Directorate<br>JAXA                             |
| <b>10:30 – 11:00 am</b>                           | <b>Photo session &amp; Coffee break</b>  |
| <b>Kibo Utilization Activities and Plans</b>      |  |
| <b>11:00 – 11:30 am</b>                           | <b>The Latest Status of Kibo Utilization</b><br>Mr. Fumiaki Tanigaki<br>Chair of SEU Working group, Kibo Utilization for Asia-Pacific region<br>Human Spaceflight Technology Directorate<br>JAXA |
| <b>11:30 – 11:50 am</b>                           | <b>Malaysia Kibo Activities</b><br>Mr. Mohd Helmy Bin Hashim<br>ANGKASA  |
| <b>11:50 – 12:10 pm</b>                           | <b>SSTA Kibo Utilization Initiatives: Space Environment And Development</b><br>Mr. Cheng Hai Tan<br>Singapore Space and Technology Association (SSTA)  |
| <b>Space Environment Life Sciences experiment</b> |  |
| <b>12:10 – 12:30 pm</b>                           | <b>Involvement of Malaysia in MARS 500</b><br>Prof. Dr. Hapizah Binti Hj Nawawi<br>University Teknologi MARA (UiTM)  |
| <b>12:30 – 12:50 pm</b>                           | <b>C-elegans under simulated microgravity experiment</b><br>Prof. Dato' Dr. A. Rahman A. Jamal<br>UKM Medical Center (HUKM)  |
| <b>12:50-2:00pm</b>                               | <b>Lunch Break</b>   |
| <b>Space Environment Agriculture Experiment</b>   |  |
| <b>2:00 – 2:20 pm</b>                             | <b>Space Rice Seeds experiment – Present and Future</b><br>Dr. Teoh Chin Chuang<br>Malaysian Agricultural Research and Development Institute (MARDI)   |
| <b>2:20 – 2:40 pm</b>                             | <b>Asian Herbs in Space (AHIS)</b><br>Dr. Mohd Khairun Bin Nasir<br>MARDI  |

| <b>Space science and engineering research</b> |  |
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| 2:40 – 3:00 pm                                | <b>Cube-sat Launch and deployment opportunity from Kibo (J-SSOD)</b><br>Mr. Hideyuki Watanabe<br>JEM Mission Operations and Integration Center<br>Human Spaceflight Technology Directorate<br>JAXA |
| 3:00 – 3:20 pm                                | <b>Development of Malaysia Cube-sat Scientific Mission</b><br>Dr. Norllmi Amilia Ismail<br>Universiti Sains Malaysia (USM)   |
| 3:20 – 4:00 pm                                | <b>Coffee Break</b>  |
| 4:00 – 5:00 pm                                | Planetarium show   |
| 5:00 – 5:30 pm                                | <b>End of Day 1 Meeting</b>  |

| <b>DAY 2</b>  |   |
|---|---|
| <b>VENUE</b>  | <b>ORION ROOM (TEATRET)</b>   |
| Tuesday, 19 April 2016<br><b>Emcee: Ms. Zahira Mohd Radzi</b> |   |
| <b>Space science and engineering research</b>                 |   |
| 9:00 – 9:30 am  | <b>Registration</b>   |
| 9:30 – 9:50 am  | <b>Exposed Facility in Kibo (ExHAM)</b><br>Mr. Hideyuki Watanabe<br>JAXA  |
| 9:50 – 10:10 am   | <b>Nanotechnology application in Space</b><br>Mr. Kamarulzaman Bin Kamarudin<br>Nano Technology Directorate<br>Ministry of Science, Technology and Innovation (MOSTI) |
| 10:10 – 10:30 am  | <b>Coffee Break</b>   |
| 10:30 – 10:50 am  | <b>Malaysia Space Education</b><br>Mr. Jong Tze Kian<br>National Planetarium<br>ANGKASA   |
| 10:50 – 11:50 am  | <b>Discussion and Summary</b><br><b>“Space Experiment by Kibo opportunity”</b><br>ANGKASA: Mhd Fairos Asillam<br>JAXA: Mr. Fumiaki Tanigaki                           |
| <b>Closing</b>  |   |
| 11:50 am – 12:00 pm   | <b>Closing Remarks</b><br>ANGKASA: Mhd Fairos Asillam<br>JAXA: Mr. Fumiaki Tanigaki   |
| 12:00 – 1:00 pm   | <b>Lunch</b>  |
| 1:00 pm   | <b>Dismiss</b>  |