<table>
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<th>DAY1 15-Nov (Mon)</th>
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<tr>
<td><strong>Hall</strong></td>
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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Hall Registration</td>
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<tr>
<td>9:45</td>
<td>PI symposium (9:45 - 17:40)</td>
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<tr>
<td>9:45</td>
<td>Lunch Break (11:50 - 13:20)</td>
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<tr>
<td>11:50</td>
<td>Welcome Reception 18:00~20:00</td>
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<th>DAY2 16-Nov (Tue)</th>
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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Hydrology &amp; Water Resource</td>
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<tr>
<td>9:30</td>
<td>Snow &amp; Ice 1 (9:30 - 11:30)</td>
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<tr>
<td>9:30</td>
<td>SAR Cal/Val 1 (9:30 - 11:30)</td>
</tr>
<tr>
<td>9:30</td>
<td>Geography (9:30 - 11:30)</td>
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<tr>
<td>11:30</td>
<td>Lunch Break (11:30 - 13:00)</td>
</tr>
<tr>
<td>11:30</td>
<td>Snow &amp; Ice 2 (13:00 - 14:40)</td>
</tr>
<tr>
<td>11:30</td>
<td>SAR Cal/Val 2 (13:00 - 15:50)</td>
</tr>
<tr>
<td>11:30</td>
<td>Disaster Management 1 (13:00 - 15:00)</td>
</tr>
<tr>
<td>14:00</td>
<td>(Prep for Poster Session)</td>
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<tr>
<td>15:00</td>
<td>(Poster Session 18:00~19:00)</td>
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<th>DAY3 17-Nov (Wed)</th>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>9:00</td>
<td>Ocean Processes &amp; Monitoring</td>
</tr>
<tr>
<td>9:30</td>
<td>Land Use &amp; Land Cover 2 (9:30 - 14:20)</td>
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<tr>
<td>9:30</td>
<td>Vegetation Mapping, Forest &amp; Wetland 2 (9:20 - 11:30)</td>
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<tr>
<td>9:30</td>
<td>Disaster Management 3 (9:30 - 14:00)</td>
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<tr>
<td>11:30</td>
<td>Lunch Break (11:30 - 13:00)</td>
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<tr>
<td>11:30</td>
<td>LAND 2 (13:00 - 14:30)</td>
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<tr>
<td>11:30</td>
<td>Agriculture (14:00 - 16:10)</td>
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<tr>
<td>11:30</td>
<td>Geology (14:20 - 16:10)</td>
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<tr>
<td>13:00</td>
<td>Vegetation Mapping, Forest &amp; Wetland 3 (13:00 - 15:00)</td>
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<tr>
<td>13:00</td>
<td>DSA Geohazard Supersite 3 Session</td>
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<tr>
<td>15:00</td>
<td>(Prep for Summary Session)</td>
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<tr>
<td>16:00</td>
<td>(Summary Session)</td>
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Posters Display (9:45 - 17:40)
The 4th Joint PI Symposium of ALOS Data Nodes for ALOS Science Program 2010 Tokyo

Date: Monday, November 15, 9:45 – 17:40  
Place: Hall (4F)

9:45 - 9:50 Welcome address  
Toshio Doura (JAXA)

9:50 - 10:00 Activity Summary from JAXA  
Masanobu Shimada (JAXA)

10:00 - 10:10 Activity Summary from ASF  
Scott A. Arko (ASF)

10:10 - 10:20 Activity Summary from ESA  
Bianca Hoersch (ESA)

Session 1  
Chair: Masanobu Shimada (JAXA)

10:20 <SAR Calibration>
APPLICATIONS OF ALOS-PALSAR TO COASTAL WATERS WITH EXAMPLES OF SHIP DETECTION, AND INFORMATION EXTRACTION ON OCEAN WAVES AND UNDERWATER MARINE CULTIVATION
Kazuo Ouchi, National Defense Academy, Japan

10:45 <PRISM DEM and Disaster>
Change Detection of Digital Surface Model by ALOS PRISM
Masataka Takagi, Kochi University of Technology, Japan

11:10 <Forest>
USE OF ALOS PALSAR FOR MAPPING ABOVE-GROUND BIOMASS, QUEENSLAND, AUSTRALIA
Richard Lucas, Aberystwyth University, UK

11:25 <Disaster Management>
INSAR TIME-SERIES ANALYSIS FOR VOLCANO DEFORMATION DETECTION
Taku Ozawa, National Research Institute for Earth Science and Disaster Prevention, Japan

11:50 - 13:20 Lunch Break

Session 2  
Chair: Bianca Hoersch (ESA)

13:20 <Geography>
Urban and sub-urban climate change caused by the land-use change
Keiji Kimura, Hokkaido University, Japan

13:45 <Ocean>
CHARACTERISTICS OF SEA SURFACE WIND FIELD ALONG THE KOREAN COAST FROM ALOS PALSAR DATA AND AIR-SEA INTERACTION
Kyung-Ae Park, Seoul National University, Korea

14:10 <Land Use and Land Cover>
ALASKAN GLACIER CHANGE MONITORED WITH ALOS PRISM AND OTHER SENSORS
Scott A. Arko, Alaska Satellite Facility, USA

14:35 <Earthquake/Volcano>
GEO's Geohazard Supersite initiative and a geodetic fault model for the 2010 Haiti earthquake from ALOS and GPS data
Falk Amelung, RSMAS University of Miami, USA

15:00 - 15:30 Coffee Break
Session 3  Chair: Don Atwood (ASF)

15:30  <International Polar Year>
POLYNYA FORMATION AND SEA ICE PRODUCTION OFF CAPE DARNLEY ANTARCTICA, REVEALED BY ALOS PALSAR AND AMSR-E DATA
Keiichiro Ohshima, Hokkaido University, Japan

15:55  <Hydrology and Water Resources>
ALOS PALSAR AND SMAP FIELD CAMPAIGNS
Thomas J. Jackson, USDA Hydrology and Remote Sensing Lab, USA

16:20  <Agriculture>
ESTIMATION of KAZAKHSTAN CROP AREAS in NOTHERN FOREST-STEPPE ZONE by SATELLITE DATA
Muratova Nadiya, Space Research Institute, Kazakhstan

16:45  <SAR general>
Recent advances in fully polarimetric space SAR development
Wolfgang-Martin Boerner, Professor at the University of Illinois

17:10  <ALOS-2/3>
ALOS Follow-on Satellites
Yuji Osawa, JAXA, Japan

17:35 - 17:40  Closing Remarks  Toru Fukuda (JAXA)

18:00 - 20:00  Welcome Reception: Room 301-304 (3F)
Participation Fee: 2000yen
Hydrology & Water Resource (ORAL)

Date: Tuesday, November 16, 09:30 – 13:40
Place: Room 301/302 (3F)
Chairs: Toshio Koike (University of Tokyo)
Francesco Mattia (ISSIA)

9:30 HYDRO01 DETECTION OF INUNDATION AREA IN PAKISTAN USING PALSAR
Toshio Koike, University of Tokyo, Japan

9:50 HYDRO02 DEVELOPMENT OF MULTI-POLARIZATION SAR ALGORITHM FOR SOIL MOISTURE IN CAMBODIA
Kentaro Aida, University of Tokyo, Japan

10:10 HYDRO03 Water Level Measurement in Floodplain using ALOS PALSAR
Jung Hyun Choi, Yonsei University, Korea

10:30 HYDRO04 PREDICTING EROSION AND SEDIMENTATION BY USING ALOS/AVNIR-2 DATA: CASE STUDY OF INDUS RIVER
Asif Mumtaz Bhatti, Kochi University of Technology, Japan

10:50 HYDRO05 SOIL MOISTURE RETRIEVAL FROM TEMPORAL SERIES OF PALSAR SCANSAR DATA
Francesco Mattia, ISSIA, Italy

11:10 HYDRO06 A CASE STUDY OF RIVER HUNZA FLOODING IN HUNZA VALLEY, PAKISTAN
Mateeul Haq, SUPARCO, Pakistan

11:30 Lunch Break

13:00 HYDRO07 CORRECTION OF ALOS PRISM DERIVED TOPOGRAHY DATA BY LASER PROFILER DATA
Kazuhiko Fukami, Public Works Research Institute, Japan

13:20 HYDRO08 Estimation of Urban Canyon Geometrical Parameter from PRISM DSM
Kenji Tanaka, Kyoto University, Japan
**OPT CalVal/Image (ORAL)**

**Date:** Tuesday, November 16, 13:40 – 14:40  
**Place:** Room 301/302 (3F)  
**Chairs:** Masayuki Matsuoka (Kochi University)  
John Matthews (Environmental Satellite Applications)

13:40 OPT01 LAND COVER CLASSIFICATION OF FOREST AREA USING AVNIR-2  
Masayuki Matsuoka, Kochi University, Japan

14:00 OPT02 SUMMARY OF CALIBRATION RESULTS FOR PRISM AND AVNIR-2  
Takeo Tadono, JAXA, Japan

14:20 OPT03 PRISM OCEAN APPLICATIONS WITH THE ATSSG TECHNIQUE  
John Matthews, Environmental Satellite Applications, UK

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**Ocean Processes & Monitoring (ORAL)**

**Date:** Tuesday, November 16, 14:40 – 15:00  
**Place:** Room 301/302 (3F)  
**Chairs:** Masayuki Matsuoka (Kochi University)  
John Matthews (Environmental Satellite Applications)

14:40 OCEAN01 INVESTIGATION ON METHODOLOGY OF OFFSHORE WIND SPEED ESTIMATION BY USING SYNTHETIC APERTURE RADAR  
Katsutoshi Kozai, Kobe University, Japan
9:30  SNOWICE01  ICE VELOCITY MAP OF ANTARCTICA MEASURED WITH ALOS PALSAR
   Jeremie Mouginot, University of California, Irvine, USA

9:50  SNOWICE02  COMPARISON OF PALSAR SCANSAR AND MODIS IMAGES FOR MONITORING
   SEA ICE IN THE SEA OF OKHOTSK
   Kohei Cho, Tokai University, Japan

10:10  SNOWICE03  THE GENERATED DEM FROM ALOS/PRISM IN MT. QOMOLANGMA REGION
   Qinghua Ye, Chinese Academy of Sciences, China

10:30  SNOWICE04  NEW METHOD DEVELOPMENT FOR SNOW DISCRIMINATION USING SAR
   POLARIMETRY TECHNIQUES
   G Venkataraman, Indian Institute of Technology Bombay, India

10:50  SNOWICE05  Monitoring of Mountain Glacial Variations in Northern Pakistan, from 1992 to 2009
   using Landsat and ALOS Data
   Mateeul Haq, SUPARCO, Pakistan

11:10  SNOWICE06  Glacier and glacial lake inventory of Bhutan–Nepal using ALOS data
   Jinro Ukita, Niigata University, Japan
Snow & Ice 2 (ORAL)
Date: Tuesday, November 16, 13:00 – 14:40
Place: Room 310 (3F)
Chairs: Jinro Ukita (Niigata University)
        Hiroyuki Wakabayashi (Nihon University)

13:00  SNOWICE07  SAR INTERFEROMETRY OBSERVATIONS OF TIBETAN PLATEAU PERMAFROST
        AND GLACIER THAWING
        C. K. Shum, Ohio State University, USA

13:20  SNOWICE08  THE 2008 YUTIAN NORMAL FAULTING EARTHQUAKE (M7.2) AND NEARBY
        GLACIER SURFACE MOVEMENT, XINJIANG, CHINA
        Masato Furuya, Hokkaido University, Japan

13:40  SNOWICE09  RETRIEVAL OF THE THICKNESS DISTRIBUTION OF SUBARCTIC AND ARCTIC
        SEA ICE USING ALOS/PALSAR
        Takenobu Toyota, Hokkaido University, Japan

14:00  SNOWICE10  INTEGRATING REMOTE SENSING METHODOLOGY FOR MONITORING
        PERMAFROST LANDSCAPES USING ALOS SATELLITE DATA
        Marius Necsoiu, Southwest Research Institute, USA

14:20  SNOWICE11  Monitoring of Glacier Lakes in the Bhutan Himalayas by ALOS/PALSAR data
        Tsutomu Yamanokuchi, Remote Sensing Technology Center of Japan, Japan
Vegetation Mapping, Forest & Wetland 1 (ORAL)

Date: Tuesday, November 16, 15:30 – 17:30
Place: Room 310 (3F)
Chairs: Shane Cloude (AEL Consultants)
        Ake Rosenqvist (soloEO)

15:30 FOREST01 DETECTING DEFORESTATION USING RADAR POLARIMETRY
          Shane Cloude, AEL Consultants, UK

15:50 FOREST02 THE IMPACT OF SURFACE MOISTURE ON MULTI-TEMPORAL ALOS PALSAR
          BACKSCATTER MOSAICS IN QUEENSLAND, AUSTRALIA
          Richard Lucas, Aberystwyth University, UK

16:10 FOREST03 Ortho-rectification and calibration of multi-temporal ALOS PALSAR SCANSAR
          data for mapping wetland dynamics
          Bruce Chapman, Jet Propulsion Laboratory, USA

16:30 FOREST04 PAN-TROPICAL FOREST COVER FROM ALOS-PALSAR DATA
          Josef Kellndorfer, The Woods Hole Research Center, USA

16:50 FOREST05 Revisiting PALSAR ScanSAR calibration:
          assessing the [07/2008] SIGMASAR processor upgrade
          Ake Rosenqvist, solo EO, Sweden

17:10 FOREST06 MAPPING MANGROVES WITH THE ALOS SENSORS
          Masayuki Tamura, Kyoto University, Japan
<table>
<thead>
<tr>
<th>Time</th>
<th>Title</th>
<th>Abstract</th>
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<tbody>
<tr>
<td>9:30</td>
<td>CALVAL01 PALSAR INTERFEROMETRY STUDIES OF SURFACE DEFORMATIONS IN BAIKAL LAKE COASTAL AREA</td>
<td>Alexander Zakharov, Russian Academy of Sciences, Russia</td>
</tr>
<tr>
<td>9:50</td>
<td>CALVAL02 USE OF SEGMENTATION FOR IMPROVING FOREST STRUCTURAL ESTIMATES FROM LIDAR AND SAR</td>
<td>Paul Siqueira, University of Massachusetts, USA</td>
</tr>
<tr>
<td>10:10</td>
<td>CALVAL03 PROPOSAL OF A NEW ALGORITHM OF THE THREE-COMPONENT DECOMPOSITION FOR AZIMUTHALLY INCLINED OBJECTS</td>
<td>Shunichi Kusano, Tohoku University, Japan</td>
</tr>
<tr>
<td>10:30</td>
<td>CALVAL04 POLARIMETRIC DECOMPOSITION USING PARTICLE SWARM OPTIMIZATION</td>
<td>Toshifumi Moriyama, Nagasaki University, Japan</td>
</tr>
<tr>
<td>10:50</td>
<td>CALVAL05 GLACIER PARAMETERS ESTIMATION AND SNOW CLASSIFICATION INTEGRATED INTERFEROMETRIC AND POLARIMETRIC SAR</td>
<td>Zhen Li, Chinese Academy of Sciences, China</td>
</tr>
<tr>
<td>11:10</td>
<td>CALVAL06 A NOVEL METHOD FOR POLARIMETRIC SAR IMAGE SPECKLE FILTERING AND EDGE DETECTION</td>
<td>Si-Wei Chen, Tohoku University, Japan</td>
</tr>
</tbody>
</table>
SAR Cal/Val 2 (ORAL)

Date: Tuesday, November 16, 13:00 – 15:50
Place: Room 311 (3F)
Chairs: Wolfgang-Martin Boerner (Professor at the University of Illinois)
Toshifumi Moriyama (Nagasaki University)

13:00 CALVAL07 Classification of ALOS PALSAR Images over India using different polarization combinations
G Venkataraman, Indian Institute of Technology, Bombay, India

13:20 CALVAL08 A NEW CLASSIFICATION TECHNIQUE FOR POLARIMETRIC SAR DATA AND ITS VERIFICATION WITH PALSAR DATA
Yisok Oh, Hongik University, Korea

13:40 CALVAL09 GROUND SUBSIDENCE MONITORING USING PALSAR INTERFEROMETRY IN SHANGHAI DOWNTOWN AREA: A CASE STUDY
Jicang Wu, TONGJI UNIVERSITY, China

14:00 CALVAL10 ALOS–INDONESIA POL–INSAR EXPERIMENT (AIPEX): FINAL RESULT
Mahmud Arifin Raimadoya, Bogor Agricultural University, Indonesia

14:20 CALVAL11 EXPLOITATION OF DUAL AND FULL POLINSAR PALSAR DATA
Marco Lavalle, Jet Propulsion Laboratory, USA

14:40 CALVAL12 UTILIZATION OF FULLY POLARIMETRIC ALOS–PALSAR DATA
Yoshio Yamaguchi, Niigata University, Japan

15:00 Coffee Break

15:30 CALVAL13 POLARIMETRIC L–BAND PALSAR FOR PEATLAND CHARACTERIZATION
Ridha Touzi, Canada Centre for Remote Sensing, Canada
### Land Use and Land Cover 1 (ORAL)

**Date:** Tuesday, November 16, 15:50 – 17:30  
**Place:** Room 311 (3F)  
**Chairs:** Ke-Sheng Cheng (National Taiwan University)  
Yasunori Nakayama (Nihon University)

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<thead>
<tr>
<th>Time</th>
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<tbody>
<tr>
<td>15:50</td>
<td>LAND01</td>
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</table>
|       | COMPARING LANDCOVER PATTERNS IN TOKYO, KYOTO, AND TAIPEI USING ALOS MULTISPECTRAL IMAGES  
Ke-Sheng Cheng, National Taiwan University, Taiwan |
| 16:10 | LAND02       |
|       | THE DECREASING PROJECTS OF WILD BEASTS DAMAGES USING ALOS SATELLITE IMAGES IN RURAL AREA  
Kiyoyuki Yaota, Ritsumeikan University, Japan |
| 16:30 | LAND03       |
|       | MONITORING OF ENVIRONMENTAL CHANGES IN ASIAN MIDDLE LATITUDE ZONE BY ALOS DATA  
Yasunori Nakayama, Nihon University, Japan |
| 16:50 | LAND04       |
|       | ANALYSIS OF MULTI-MODE PALSAR DATA TO DETECT FOREST DEGRADATION IN THE HUMID TROPICS  
Andreas Langner, Kyoto University, Japan |
| 17:10 | LAND05       |
|       | Land-cover Classification Using Polarimetric PALSAR  
Hasi Bagan, National Institute for Environmental Studies, Japan |
Geography (ORAL)

Date: Tuesday, November 16, 09:30 – 11:30
Place: Room 312 (3F)
Chairs: Hajime Fukuchi (Tokyo Metropolitan University)
        Ya-Qiu Jin (Fudan University)

9:30 GEOGRA01 URBAN AREA APPLICATION AND CALIBRATION OF ALOS/PALSAR FULL
          POLARIMETRIC OBSERVATION DATA
          Hajime Fukuchi, Tokyo Metropolitan University, Japan

9:50 GEOGRA02 NOISE-REDUCTION AND EXTERIOR ORIENTATION IMPROVEMENT BY THE
          COPLANARITY EQUATION FOR ALOS-PRISM
          Pantelis Michalis, University College London, UK

10:10 GEOGRA03 POLARIMETRIC SCATTERING SIMULATION AND ANALYSIS FOR ALOS PALSAR
          AND AIRBORNE PISAR IMAGES OVER FOREST CANOPY WITH/WITHOUT SNOW
          Ya-Qiu Jin, Fudan University, China

10:30 GEOGRA04 Surface chlorophyll estimation by applying LCI method using ALOS AVNIR-2 data
          in brackish lakes
          Yuji Sakuno, Hiroshima University, Japan

10:50 GEOGRA05 FORECASTING LAND CHANGE IN KATHMANDU VALLEY, NEPAL
          Rajesh Bahadur Thapa, University of Tsukub, Japan

11:10 GEOGRA06 PRISM DSM GENERATION STATUS
          Junichi Takaku, Remote Sensing Technology Center of Japan, Japan
Disaster Management 1 (ORAL)

Date: Tuesday, November 16, 13:00 – 15:00
Place: Room 312 (3F)
Chairs: Manabu Hashimoto (Kyoto University)
        Yo Fukushima (Kyoto University)

13:00 DISAS01 Ground deformation preceding the 2010 eruption of Eyjafjallajokull, Iceland
Yosuke Aoki, University of Tokyo, Japan

13:20 DISAS02 Crustal deformation research with ALOS–PALSAR data within the WinSAR consortium
Falk Amelung, RSMAS University of Miami, USA

13:40 DISAS03 ASSESSING DAMAGE OF FLOOD BY USING ALOS DATA IN THUA THIEN – HUE PROVINCE – VIETNAM
Nguyen Van Thao, Institute of Marine Environment and Resources, Vietnam

14:00 DISAS04 ALOS PALSAR MEASUREMENTS OF DEFORMATION IN THE SAN FRANCISCO BAY AREA, CALIFORNIA
Mong-Han Huang, University of California, Berkeley, USA

14:20 DISAS05 GEOSTRUCTURAL AND HYDROGEOLOGICAL SETTING OF THE GALLABA PLAIN IN WEST ASWAN, EGYPT, AS REVEALED BY ALOS/PALSAR SUBSURFACE IMAGING
Ahmed Gaber, Tohoku University, Japan

14:40 DISAS06 ALOS PALSAR DEFORMATION MONITORING OVER ETNA, ITALY
Urs Wegmüller, Gamma Remote Sensing AG, Switzerland
Disaster Management 2 (ORAL)

Date: Tuesday, November 16, 15:30 – 17:30
Place: Room 312 (3F)
Chairs: David Sandwell (University of California at San Diego)
Falk Amelung (RSMAS University of Miami)

15:30 DISAS07 EVALUATION OF POLARIMETRIC AND INSAR PA LSAR DATA FOR FLOODPLAIN AND LAND USE/COVER MONITORING, AND FOR BIOMASS ESTIMATION IN SELECTED AMAZONIAN TEST SITES
Sidnei Joao Siqueira Sant’Anna, INPE, Brazil

15:50 DISAS08 NEW OBSERVATIONS OF THE LONGITUDINAL VALLEY FAULT CREEP (TAIWAN) FROM PS-INSAR USING ALOS DATA
Erwan Pathier, Université Joseph Fourier, France

16:10 DISAS09 INSAR MEASUREMENTS OF CRUSTAL DEFORMATION FROM THE 2010 M7.2 EL MAJOR-CUCAPAH EARTHQUAKE: LIQUEFACTION AND TRIGGERED SLIP
David Sandwell, University of California at San Diego, USA

16:30 DISAS10 THE 2010 MAULE, CHILE EARTHQUAKE: DOWNDIP RUPTURE LIMIT REVEALED BY ALOS INTERFEROMETRY
Xiaopeng Tong, University of California, USA

16:50 DISAS11 Kilauea volcano source models constrained by InSAR and GPS observations
Paul Lundgren, Jet Propulsion Laboratory, USA

17:10 DISAS12 CLASSIFICATION BETWEEN EUCALYPTUS AND PINE FORESTS USING OPTICAL AND RADAR IMAGES
Diego de Abelleyra, INTA, Argentina
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<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenter, Institution</th>
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<tr>
<td>9:30</td>
<td>OCEAN02</td>
<td>VALIDATION OF ALOS PALSAR SEA SURFACE WIND PRODUCTS</td>
<td>Xiaofeng Li, NOAA/NESDIS, USA</td>
</tr>
<tr>
<td>9:50</td>
<td>OCEAN03</td>
<td>IMPRINTS OF DYNAMIC OCEANIC AND ATMOSPHERIC PHENOMENA ON ALOS PALSAR MOSAICS</td>
<td>Leonid Mitnik, Russian Academy of Science, Russia</td>
</tr>
<tr>
<td>10:10</td>
<td>OCEAN04</td>
<td>APPLICATION OF ALOS AVNIR-2 IMAGES FOR ASSESSING THE COASTAL ZONE RESOURCES IN INDONESIA</td>
<td>Sam Wouthuyzen, Research Center for Oceanography, Indonesia</td>
</tr>
<tr>
<td>10:30</td>
<td>OCEAN05</td>
<td>THE RELATIONSHIP BETWEEN NATURAL CONDITIONS WITH FORMATION AND DEVELOPMENT OF CLAM GROUNDS (MERETRIX LYRATA) IN MEKONG DELTA</td>
<td>Tong Phuoc Hoang Son, Institute of Oceanography, Vietnam</td>
</tr>
<tr>
<td>10:50</td>
<td>OCEAN06</td>
<td>RETRIEVAL OF OCEAN WAVE PARAMETERS FROM ALOS/PALSAR</td>
<td>Osamu Isoguchi, JAXA, Japan</td>
</tr>
<tr>
<td>11:10</td>
<td>OCEAN07</td>
<td>OBSERVATION OF INTERTIDAL GROUNDWATER DISCHARGE WITH SYNTHETIC APERTURE RADAR</td>
<td>Duk-jin Kim, Seoul National University, Korea</td>
</tr>
<tr>
<td>11:30</td>
<td></td>
<td>Lunch Break</td>
<td></td>
</tr>
<tr>
<td>13:00</td>
<td>OCEAN08</td>
<td>OIL SPILL MONITORING WITH ALOS PALSAR IMAGES</td>
<td>Xiaofeng Li, NOAA/NESDIS, USA</td>
</tr>
<tr>
<td>13:20</td>
<td>OCEAN09</td>
<td>OBSERVATIONS OF CHLOROPHYLL–A CONCENTRATION AND ALGAL BLOOMS AT UPWELLING AREA IN SOUTH CENTRAL VIETNAM FROM HIGH RESOLUTION MULTI-SATELLITE DATA</td>
<td>Tong Phuoc Hoang Son, Institute of Oceanography, Vietnam</td>
</tr>
<tr>
<td>13:40</td>
<td>OCEAN10</td>
<td>MAPPING OF HUMAN ACTIVITIES RELATED TO FISHERIES AND ECOSYSTEMS IN COASTAL AREAS</td>
<td>Teruhisa Komatsu, Univeristy of Tokyo, Japan</td>
</tr>
</tbody>
</table>
**Agriculture (ORAL)**

**Date:** Wednesday, November 17, 14:00 – 16:10

**Place:** Room 301/302 (3F)

**Chairs:** Nitai Kundu (Institute of Environmental Studies and Wetland Management)  
Naoki Ishitsuka (National Institute for Agro-Environmental Sciences)

14:00 AGRI01 AGRICULTURAL FIELDS MONITORING USING ALOS DATA IN JAPAN  
Genya Saito, JAXA, Japan

14:20 AGRI02 STUDY OF THE EFFECT OF CHANGE IN LANDUSE IN SEWAGE-FED AQUA CULTURE SYSTEM OF CALCUTTA USING REMOTE SENSING & GIS.  
Nitai Kundu, Institute of Environmental Studies and Wetland Management, India

14:40 AGRI03 FLOOD EXTENT DETECTION IN PADDY AREA AND FUTURE PLAN OF DISASTER INFORMATION SHARING PLATFORM IN RURAL AREAS  
Yasuharu Yamada, National Agriculture and Food Research Organization, Japan

15:00 Coffee Break

15:30 AGRI04 OBSERVATION OF JAPANESE PADDY FIELDS USING MULTI POLARIMETRIC PALSAR DATA  
Naoki Ishitsuka, National Institute for Agro-Environmental Sciences, Japan

15:50 AGRI05 SUGARCANE IDENTIFICATION USING ALOS PALSAR DATA  
Zhiyuan Pei, Chinese Academy of Agriculture Engineering, China
Land Use and Land Cover 2 (ORAL)

Date: Wednesday, November 17, 09:30 – 14:20
Place: Room 310 (3F)
Chairs: Scott A. Arko (Alaska Satellite Facility)
        Kanako Muramatsu (Nara Women’s University)

9:30 LAND06  BAMBOO DISTRIBUTION MAPPING USING ALOS/AVNIR-2 AND PRISM
Atsuko Nonomura, Kagawa University, Japan

9:50 LAND07  Extracting Key for Landcover Change using Multitemporal PALSAR Images
Antonius Bambang Wijanarto, The National Coordinating Agency for Surveys and Mapping, Indonesia

10:10 LAND08  GLACIER MONITORING IN SOUTH AMERICAN TROPICS USING ALOS/PRISM SATELLITE IMAGES AND PHOTOGRAMMETRIC TECHNICS
Edson Ramirez, Universidad Mayor de San Andres, Bolivia

10:30 LAND09  Classification of Building Area Using Slant Angle and Density Indices Derived from Polarimetric SAR Data
Junichi Susaki, Kyoto University, Japan

10:50 LAND10  PRELIMINARY RESULTS OF MULTI-BASELINE INSAR WITH ALOSPALSAR DATASETS FOR HIGH-ACCURACY DEM GENERATION IN MOUNTAINOUS AREAS
Timo Balz, Wuhan University, China

11:10 LAND11  LANDSCAPE STRUCTURE OF MOUNTAIN FOREST IN NORTHEAST OF IRAN BY PRISM WITH RPC FILE
Hadi Fadaei, Kobe University, Japan

11:30 Lunch Break

13:00 LAND12  ANALYSIS OF COHERENCE VS. LANDCOVER USING ALOS PALSAR
Don Atwood, University of Alaska Fairbanks, USA

13:20 LAND13  ALOS AVNIR-2 AND LANDSAT-7 IMAGES FOR CORAL REEFS ECOSYSTEM DETECTION IN SPERMONDE ARCHIPELAGO, INDONESIA
Nurjanah Nurdin, Hasanuddin University, Indonesia

13:40 LAND14  DETECTING A BURNED AREA BY POLARIZATION RATIO OF DIFFERENCE USING ALOSPALSAR DATA
Keiko Ishii, Remote Sensing Technology Center of Japan, Japan

14:00 LAND15  DISCRIMINATION OF BUILT-UP AREAS USING POLARIZATION ORIENTATION FROM POLARIMETRIC PALSAR IMAGES
Hiroshi Kimura, Gifu University, Japan
Geology (ORAL)

Date: Wednesday, November 17, 14:20 – 16:10
Place: Room 310 (3F)
Chairs: Pierre Briole (Ecole Normale Superieure)
        Jyr-Ching Hu (National Taiwan University)

14:20 GEOLO01 ALOS PALSAR INTERFEROMETRY IN THE WESTERN CORINTH RIFT, GREECE
Pierre Briole, Ecole Normale Superieure, France

14:40 GEOLO02 INVESTIGATION OF EARTHQUAKE-CYCLE DEFORMATION IN TIBET FROM ALOS PALSAR DATA
Mong-Han Huang, UC Berkeley, USA

15:00 Coffee Break

15:30 GEOLO03 Finite Fault Inversion of 2010 Yushu Earthquake from ALOS and Envisat Observations
Xu Caijun, Wuhan University, China

15:50 GEOLO04 ALOS PALSAR INTERFEROMETRY AT ETNA, COMPLEMENTARITY WITH ENVISAT ASAR AND GPS
Pierre Briole, Ecole Normale Superieure, France
Vegetation Mapping, Forest & Wetland 2 (ORAL)
Date: Wednesday, November 17, 09:30 – 11:30
Place: Room 311 (3F)
Chairs: Josef Kellndorfer (The Woods Hole Research Center)
        Manabu Watanabe (Tohoku University)

9:30 FOREST07 INTEGRATION OF ALOS PALSAR AND LANDSAT FPC FOR MAPPING FOREST GROWTH STAGE QUEENSLAND, AUSTRALIA
        Richard Lucas, Aberystwyth University, UK

9:50 FOREST08 LAND COVER CLASSIFICATION IN CENTRAL KALIMANTANG, INDONESIA USING ALOS-AVNIR AND PALSAR
        Toshihisa Honma, Hokkaido University, Japan

10:10 FOREST09 CLOUD REMOVAL OF OPTICAL IMAGE USING INTERPOLATION FROM SIMILAR AND NEAREST PIXELS
        Nguyen Thanh Hoan, Chiba University, Japan

10:30 FOREST10 Observation of active layer in permafrost using the PALSAR/full polarimetry mode
        Manabu Watanabe, Tohoku University, Japan

10:50 FOREST11 THE VEGETATION COVER DYNAMIC OF NORTH-EAST EUROPEAN RUSSIA IN ECOLOGICAL GRADIENTS BY RADAR AND OPTICAL DATA
        Vladimir Elsakov, Institute of Biology of Komi ScC RAS, Russia

11:10 FOREST12 ALOS PALSAR 50M MOSAIC DATA WITH MULTISCALE TEXTURE FOR TROPICAL FOREST MAPPING
        Preesan Rakwatin, Geo-Informatics and Space Technology Development Agency, Thailand
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Title</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>13:00</td>
<td>FOREST13</td>
<td>Study of vegetation in Siberian test sites by means of quad-pol PALSAR images</td>
<td>Ludmila Zakharova, Russian Academy of Sciences, Russia</td>
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<tr>
<td>13:20</td>
<td>FOREST14</td>
<td>Generation of decadal global high resolution L-band SAR dataset for forest carbon tracking</td>
<td>Masanobu Shimada, JAXA, Japan</td>
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<tr>
<td>13:40</td>
<td>FOREST15</td>
<td>The ALOS Kyoto &amp; Carbon Initiative - current status and outcomes</td>
<td>Ake Rosenqvist, soloEO, Sweden</td>
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<tr>
<td>14:00</td>
<td>FOREST16</td>
<td>Assessment of different topographic correction methods in ALOS AVNIR-2 data of a forested area</td>
<td>Nafiseh Ghasemi, KNTUniversity of technology, Iran</td>
</tr>
<tr>
<td>14:20</td>
<td>FOREST17</td>
<td>Characterisation and monitoring of mangroves using ALOS PALSAR data</td>
<td>Richard Lucas, Aberystwyth University, UK</td>
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<tr>
<td>14:40</td>
<td>FOREST18</td>
<td>Analysis of ALOS-PALSAR and TerraSAR-X data for protected area mapping: Case of the Bwindi National Park</td>
<td>John Richard Otukei, Universität Salzburg, Austria</td>
</tr>
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9:30 DISAS13 MONITORING THE UPS AND DOWNS OF SUMATRA AND JAVA WITH D-INSAR TIME-SERIES
Falk Amelung, RSMAS University of Miami, USA

9:50 DISAS14 A decade of L-band, C-band and X-band SAR Interferometry observations for monitoring deformation associated with landslides and developed groundwater basins in Iran
Mahdi Motagh, GFZ German Research Centre for Geosciences, Germany

10:10 DISAS15 COSEISMIC DEFORMATION ASSOCIATED WITH WENCHUAN EARTHQUAKE OBSERVED FROM ALOS/PALSAR AND GPS
Xiaoli Ding, Hong Kong Polytechnic University, China

10:30 DISAS16 REPORT OF CURRENT STATUS OF TEST SITES OF LANDSLIDE IN JAPAN
Ryoichi Furuta, Remote Sensing Technology Center of Japan, Japan

10:50 DISAS17 PRELIMINARY RESULTS OF LANDSLIDE MONITORING USING ALOS PALSAR DATA STACKS IN THE THREE GORGES AREA
Timo Balz, Wuhan University, China

11:10 DISAS18 Secular Crustal Deformations Derived from 4 Year Long Observation of ALOS/PALSAR
Manabu Hashimoto, Kyoto University, Japan

11:30 Lunch Break

13:00 DISAS19 VERTICAL DISPLACEMENTS AT KILAUEA VOLCANO MEASURED BY SMALL-BASELINE INSAR TIME-SERIES ANALYSIS USING PALSAR DATA
Yo Fukushima, Kyoto University, Japan
SAR Cal/Val
EVALUATION OF VARIOUS SCATTERING COMPONENT DECOMPOSITION TECHNIQUES OF POLSAR DATA FOR FOREST
Hiroyoshi Yamada, Niigata University, Japan

DERIVING GLACIER BORDER INFORMATION BASED ON ANALYSIS OF INSAR DECORRELATION USING ALOS/PALSAR DATA
Zhou Jianmin, Chinese Academy of Science, China

Long Time Span Interferograms and Effects of Snow Cover on Interferometric Phase at L-band
Khalid A. Soofi, ConocoPhillips, USA

Land Use & Land Cover
ALGORITHM FOR PROCESSING PAN-SHARPEN IMAGE BASED ON REFLECTANCE
Kanako Muramatsu, Nara Women’s University, Japan

RICE AREAS MAPPING USING ALOS PALSAR FBD DATA CONSIDERING THE BRAGG SCATTERING IN L-BAND SAR IMAGES OF RICE FIELDS
Feilong Ling, Fuzhou University, China

RETRIEVAL OF GROUND DEFORMATION USING ALOS PALSAR DINSAR IN CHINA
Zhang Hong, Chinese Academy of Science, China

DIFFERENTIAL SEGMENT SORTING METHODOLOGY USING TEMPORAL FULL POLARIMETRIC SAR DATA FOR URBAN CHANGE DETECTION
Masafumi Nakagawa, Shibaura Institute of Technology, Japan

Snow & Ice
ESTIMATION OF SEA ICE CONCENTRATION IN THE SEA OF OKHOTSK USING PALSAR POLARIMETRIC DATA
Hiroyuki Wakabayashi, Nihon University, Japan

ANALYSIS OF PALSAR BACKSCATTER RESPONSE FOR VARIOUS TARGETS IN GLACIATED TERRAIN
Gulab Singh, Niigata University, Japan

Current state of glacier hazards in the Tien Shan mountains
Chiyuki Narama, Research Institute for Humanity and Nature, Japan

Vegetation Mapping, Forest & Wetlands
Combining ALOS PALSAR and TerraSAR-X data for aboveground biomass assessment in tropical peat swamp forests
Florian Siegert, Ludwig-Maximilians-University, Germany

COMBINATION OF OPTICAL AND MICROWAVE DATA OF ALOS FOR TROPICAL FOREST MAPPING
Nguyen Thanh Hoan, Chiba University, Japan

RESEARCH ON FOREST ABOVEGROUND BIOMASS ESTIMATION USING ALOS PALSAR DATA AND ICESAT GLAS WAVEFORM
Guo Zhifeng, Chinese Academy of Sciences, China

FIELD SURVEY OF FOREST ABOVE-GROUND BIOMASS IN MONGOLIA FOR THE ALGORITHM DEVELOPMENT BY PALSAR
Rikie Suzuki, Japan Agency for Marine-Earth Science and Technology, Japan

MAPPING LAKE-BASIN SOLELY USING ALOS PRISM DATA FOR MONITORING LAKE WATER STORAGE
Yuanbo Liu, Chinese Academy of Sciences, China

DIRECTIONALITY OF AVNIR-2-BASED NDVI AND ALOS PALSAR-BASED INTENSITIES ON TOPOGRAPHIC EFFECTS AFFECTING FOR FOREST COMPARTMENTS
Choen Kim, Kookmin University, Korea

Retrieval of soil moisture using multi-polarization L-band SAR data
Gulab Singh, Niigata University, Japan

FOREST MANAGEMENT MAPPING, MONITORING, AND INFERENCE OF BIOPHYSICAL PARAMETERS BASED ON ALOS PALSAR AND COSMO SKYMED DATA
Francesco Holecz, sarmap, Switzerland
**Geography**

Monitoring of “Quebrada”, the dry river channels on the Nasca Pampa, Peru
Isao Akojima, Yamagata University, Japan

Using ALOS Images to Develop Efficient Measures against Vector-borne Diseases – Regional Differences in Outbreak Risk of Schistosomiasis in China
Naoko Nihei, National Institute of Infectious Diseases, Japan

ESTIMATION OF ALOS PALSAR AND OTHER RADAR SATELLITE DATA FOR GEOLOGICAL AND GEOECOLOGICAL APPLICATION
Irina Smirnova, Institute of Remote Sensing Methods for Geology (VNIIKAM), Russia

SEMI-AUTOMATIC TOOL FOR DATA FUSION
—for the Advanced Education using ALOS Data—
Toshiro Sugimura, RESTEC, Japan

A STUDY ON USE OF ALOS DATA FOR PROTECTION OF MESOPOTAMIAN ARCHAEOLOGICAL SITES
Isamu Ono, Kokushikan University, Japan

**Disaster Management**

ALOS INVESTIGATING LANDSLIDES AND DEBRIS-FLOW IN TIBET CHINA
Wang Zhihua, AGRS, China

DETECTION OF THE WIDE-AREA CRUSTAL MOVEMENT IN KYUSHU USING ALOS/PALSAR DATA
Nobuhiro Tomiyama, RESTEC, Japan

Digital Elevation Model (DEM) Generation from PRISM Forward-Backward Stereo Images
Mohd Zubir Mat Jafari, Universiti Sains Malaysia, Malaysia

LONG TIME SPAN INTERFEROGRAMS AND EFFECTS OF SNOW COVER ON INTERFEROMETRIC PHASE AT L-BAND
David Sandwell, University of California at San Diego, USA

**Hydrology & Water Resource**

STUDY OF THE SOIL MOISTURE VARIATION IN THE KOBUK RIVER VALLEY (ALASKA) WITH PALSAR/ALOS: CALIBRATION REQUIREMENTS FOR ALOS–2
Takeo Tadono, JAXA, Japan

GROUND SUBSIDENCE MONITORING BY SBAS ANALYSIS IN MINING AREAS
Sang-Wan Kim, Sejong University, Korea

**Ocean Processes & Monitoring**

ASSESSMENT OF THE DISTRIBUTION AND HEALTH STATUS OF CORAL REEFS IN VIETNAM COAST USING ALOS–AVNIR2 IMAGERY
Tong Phuoc Hoang Son, Institute of Oceanography, Vietnam

MONITORING OF PACIFIC SAURY AND JAPANESE COMMON SQUID FISHING VESSELS USING PALSAR DATA
Fumihiro Takahashi, Hokkaido University, Japan

USING ALOS DATA FOR MONITORING RED–SOIL SEDIMENTATION IN REEF PONDS OFF OKINAWA ISLAND
Katsuo Okamoto, National Institute for Agro–Environmental Sciences, Japan

**OPT CalVal/Image**

COMPARISON OF ALOS/PRISM AND CARTOSAT–1 SATELLITES FOR MAPPING
P.V Radhadevi, ADRIN, India

**Agriculture**

Report of Grassland Degradation Survey In Innermongolia Based on Remote Sensing
Zhang Wei, China Agricultural University, China

OBSERVATION OF PADDY RICE USING MULTITEMPORAL PALSAR DATA
Naoki Ishitsuka, National Institute for Agro–Environmental Sciences, Japan

UTILIZATION OF ALOS DATA FOR WATER RESOURCES DEVELOPMENT IN CAMBODIA
Pich Veadna, Ministry of Water Resources and Meteorology, Cambodia

**Geology**

FIRST SAR INTERFEROMETRIC DATA RECEIVED FOR SOUTH–WEST PART OF BAIKAL RIFT SYSTEM
Ludmila Zakharova, Russian Academy of Science, Russia

SPATIAL VARIATION OF VERTICAL CRUSTAL DEFORMATION FROM PS–INSAR AND CONTINUOUS GPS IN EASTERN TAIWAN
Jyr-Ching Hu, National Taiwan University, Taiwan
International Polar Year

STUDY ON SHIRASE GLACIER MOVEMENT USING ALOS DATA
Kazuki Nakamura, National Institute of Advanced Industrial Science and Technology, Japan

REVELATION OF ACTIVE CONTEMPORARY FAULTS USING PALSAR DATA IN OIL AND GAS EXPLORATION WORK
Dmitry Trofimov, RESENOIL Ltd, Russia

ALOS Kyoto & Carbon Initiative Science Team

ALOS PALSAR mosaics over North and South America
Bruce Chapman

Wetland management and wild life protection in the Pantanal
Maycira Costa

Near Real Time Monitoring of Brazilian Amazon Deforestation
Silvana Amaral and Dalton Valeriano

A fine resolution wall-to-wall mosaic of the African continent
Gianfranco De Grandi, Ake Rosenqvist and Alexandre Bouvet

National clear-cut mapping in Sweden
Johan Fransson and Maurizio Santoro

Habitat mapping for biodiversity and conservation on the Amazon floodplain
Laura Hess

Mapping of peat swamp forests in Indonesia
Dirk Hoekman

Land cover and topographic mapping at national scale in Malawi
Francesco Holecz

Forest Cover Mapping and Change Detection in the Xingu Watershed, Mato Grosso, Brazil
Josef Kellndorfer

Mapping 10-year changes in forest biomass in Central Siberia
Thuy Le Toan

Mapping of Land Cover in Riau Province, Sumatra, Indonesia
Nicolas Longépé and JAXA K&C team

Estimation of forest biomass in Queensland, Australia
Richard Lucas

Mapping Wetland Ecosystems across Alaska
Kyle McDonald

Near Real-Time Monitoring of Brazilian Amazon Deforestation
Humberto Navarro de Mesquita Junior

Wetland extent, inundation patterns and vegetation change in the Greater Mekong Basin
Anthony Milne and Ian Tapley

Mapping of sub-surface geology in Sahara to support water prospecting
Philippe Paillou

Mapping deforestation in Sumatra using multi-temporal ALOS ScanSAR data
Shaun Quegan

Mapping for threatened wetlands along the Nile river
Lisa-Maria Rebelo

Flood duration mapping in the Congo River Basin
Ake Rosenqvist

Mapping and monitoring rice agriculture with ALOS ScanSAR imagery
William Salas

Boreal Land Cover and Forest Structure Mapping in Siberia
Christian Thié, Christiane Schmullius and Maurizio Santoro

Detecting 14-year tropical forest change by ALOS and JERS-1
Masanobu Shimada and JAXA EORC team

SAR, InSAR and Lidar Studies for Measuring Vegetation Structure Over the Harvard Forest Region
Paul Siqueira

Estimates of lake size distribution and carbon burial across the Canadian landscape
Kevin Telmer