| Day 1  
(Nov. 17) | Time     | Title                                                                 | Author                                                                 | Affiliation              |
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<td>7:45 - 8:00</td>
<td>Registration</td>
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<td>8:30 - 8:50</td>
<td>Opening Remarks</td>
<td>Paul Rosen, Yunling Lou</td>
<td>JPL</td>
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<td>8:50 - 9:10</td>
<td>DESDyn1 Mission Overview</td>
<td>Paul Rosen</td>
<td>JPL</td>
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<td>9:10 - 9:30</td>
<td>TerraSAR-X Calibration Status - 2 Years in Flight</td>
<td>Dirk Schrank; Marco Schwerdt; Markus Bachmann; Björn J. Döring; Clemens Schulz</td>
<td>DLR</td>
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<td>9:30 - 9:50</td>
<td>TanDEM-X: Mission Overview and Status</td>
<td>Manfred Zink; Gerhard Krieger; Hauke Fiedler; Alberto Moreira; Björn J. Döring</td>
<td>DLR</td>
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<td>9:50 - 10:10</td>
<td>Comparison of Sentinel-1 and TerraSAR-X TOPS Processor Implementations based on Simulated Data</td>
<td>Josef Hermann Martin Mittermayer; Davide D’Aria; Evert Attema; Andrea Monti Guarnieri; Riccardo Plantanida; Pau Prats; Stefan Sauer; Paul Snoeij</td>
<td>DLR, Aresys, Politecnico di Milano, ESA</td>
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<td>10:10 - 10:25</td>
<td>Break</td>
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<td>10:25 - 10:45</td>
<td>Canadian Government Calibration Operations: The 13-year SAR Performance History of RADARSAT-1, and Independent RADARSAT-2 SAR Quality Measurements</td>
<td>Satish K Srivastava; Stephane Cote; Stephanie Muir; Bob Hawkins</td>
<td>CSA</td>
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<td>10:45 - 11:05</td>
<td>Canadian Government Calibration Operations: Exploitation of Distributed Target Sites within the RADARSAT Program</td>
<td>Stephane Cote; Stephanie Muir; Satish K Srivastava; Tom I Lukowski</td>
<td>CSA</td>
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<td>11:05 - 11:25</td>
<td>Investigating the Performance of the RADARSAT Precision Transponders</td>
<td>Bob Hawkins; Satish K Srivastava; Lana Ikkers; Peter Hoang; Kevin Murnaghan; Benjamin Nicholls</td>
<td>CCRS, CSA</td>
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<td>11:25 - 11:45</td>
<td>RADARSAT-2 Image Quality and Mode Maintenance and Enhancement</td>
<td>Anthony P. Luscombe</td>
<td>MDA</td>
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<td>11:45 - 12:05</td>
<td>Performance of FALPSAR sensor onboard ALOS: Towards the retrieval of bio-and geo-physical parameters</td>
<td>Nicolas Longépé, Masanobu Shimada, Osamu Isoguchi, Preesan Rakwatin, Takeo Tadono</td>
<td>JAXA</td>
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<td>12:05 - 1:30</td>
<td>Lunch</td>
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<td>1:30 - 1:50</td>
<td>GMES Sentinel-1 Transponder Development</td>
<td>Paul Snoeij; Evert Attema; Bjorn Rommen; Nicolas Floury; Malcolm Davidson</td>
<td>ESA</td>
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<td>1:50 - 2:10</td>
<td>Local Incidence Angle Considered Harmful</td>
<td>David Small; Nuno Miranda; Erich H. Meier</td>
<td>U. of Zurich, ESRIN</td>
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<td>2:10 - 2:30</td>
<td>TSP-2 Solving the Radar Target Pointing Problem</td>
<td>Bob Hawkins; Jack Gibson; Luke Yaraskavitch; Kevin Marshall</td>
<td>CCRS</td>
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<td>2:30 - 2:50</td>
<td>Radiometric calibration aided by permanent scatterer: current status and future capabilities</td>
<td>Davide D’Aria; Andrea Monti Guarnieri; Paul Snoeij; Betlem Rosich; Davide Giudici; Paolo Biancardi</td>
<td>Aresys, ESA</td>
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<td>2:50 - 3:10</td>
<td>Ionospheric monitoring using quad-pol and dual-pol SAR</td>
<td>Ray Wilson</td>
<td>ASF</td>
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<td>3:10 - 3:30</td>
<td>Recent calibration/validation activities at the Harvard Forest in support of the DESDyn1 mission</td>
<td>Paul Siqueira; Razi Ahmed</td>
<td>U. of Massachusetts</td>
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<td>3:30 - 3:40</td>
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<td>3:40 - 4:00</td>
<td>Environmental Science Combining Data from a Small SAR on an Unmanned Aircraft with Satellite Observations: The microSAR on the NASA SIERRA UAS for the Characterization of Arctic Sea Ice Experiment (CASIE)</td>
<td>Evan C. Zaugg; David G. Long; Matthew Edwards; Matthew Fladeland; Richard Kolyer; Roger Crocker; James Maslanik; Ute Herzfeld</td>
<td>BYU, ARTEMIS, Ames, U. of Colorado</td>
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<td>4:00 - 4:20</td>
<td>Country-Wide 3D Mapping by Airborne InSAR</td>
<td>Bryan Mercer</td>
<td>Internmap</td>
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<td>4:20 - 4:40</td>
<td>GeoSAR Overview</td>
<td>Mark Williams</td>
<td>Earth Data/Fugro</td>
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<td>4:40 - 5:00</td>
<td>UAVSAR Polarimetric Calibration</td>
<td>Alex Fore; Bruce Chapman; Scott Hensley; Thierry Michel; Ron Muellerschoen</td>
<td>JPL</td>
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<td>5:00 - 5:20</td>
<td>UAVSAR Processor Calibration and Quality Assurance</td>
<td>Brian Hawkins; Bruce Chapman; Cathleen Jones; Scott Hensley; Thierry Michel; Ron Muellerschoen; Yang Zheng</td>
<td>JPL</td>
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<td>5:20 - 5:30</td>
<td>Announcements</td>
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<td>Day 2</td>
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<td>8:30 - 8:55</td>
<td>Polarimetric calibration of the Ingara bistatic SAR</td>
<td>Alvin Goh; Mark Preiss; <strong>Nick Stacy</strong>; Doug Gray</td>
<td>U. of Adelaide, DSTO</td>
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<td><strong>Session 4</strong></td>
<td><strong>Calibration Requirements</strong></td>
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<td>1</td>
<td>8:55 - 9:20</td>
<td>The Source of SAR Calibration Requirements</td>
<td>Evert Attema; Paul Snoeij; Malcolm Davidson; Nicolas Flouri; Bjorn Rommen</td>
<td>ESA</td>
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<td>2</td>
<td>9:20 - 9:45</td>
<td>SAR Calibration Requirements for Interferometry Applications: inching towards sub millimeter measurements</td>
<td>Fabio Rocca; Alessandro Ferretti; Andrea Monti Guarnieri</td>
<td>Politecnico di Milano</td>
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<td>9:45 - 10:10</td>
<td>Calibration Requirements for Interferometric SAR by Comparison to Lidar in the Frequency Domain</td>
<td>Robert Neil Treuhaft; Fábio Guimarães Gonçalves; Jason Drake; Bruce Chapman; Joao Roberto Dos Santos; Luciano Dutra; Paulo Mauricio de Alencastro Graca</td>
<td>JPL, INPE</td>
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<td>10:25 - 11:15</td>
<td>SAR Image Quality Measures Relevant for Operational Ship and Oil Spill Detection</td>
<td>Michele Vespe; Harm Greidanus</td>
<td>JRC</td>
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<td>5</td>
<td>11:15 - 11:40</td>
<td>SNAP Calibration Requirements and Level1 Processing</td>
<td>Richard West</td>
<td>JPL</td>
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<td>6</td>
<td>11:40 - 12:05</td>
<td>SAR Calibration Requirements for Soil Moisture</td>
<td>Zoltan Bartalis; Wolfgang Wagner; Vahid Naeimi; Daniel Sabel; Carsten Pathe</td>
<td>Vienna University of Technology</td>
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<td><strong>Session 5</strong></td>
<td><strong>Future Missions</strong></td>
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<td>1</td>
<td>1:30 - 1:55</td>
<td>Requirement on Antenna Isolation for operational use of c-band Dual-Polarized SAR IN FUTURE constellation Mission</td>
<td>Ridha Touzi; Paris Vachon; John Wolfe; Bob Hawkins</td>
<td>CCRS</td>
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<td>2</td>
<td>1:55 - 2:20</td>
<td>Linking Sentinel-1 Level-1 data quality with Level-2 performance</td>
<td>Malcolm Davidson; Evert Attema; Paul Snoeij; Nicolas Flouri; Bjorn Rommen</td>
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<td>3</td>
<td>2:20 - 2:45</td>
<td>Innovative and Efficient Strategy of Calibrating Sentinel-1</td>
<td>Marco Schwerdt; <strong>Björn J. Döring</strong>; Manfred Zink; Dirk Schrank</td>
<td>DLR</td>
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<td>4</td>
<td>2:45 - 3:10</td>
<td>The Aquarius mission calibration/validation overview</td>
<td>Adam Freedman; Dalia McWatters</td>
<td>JPL</td>
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<td>5</td>
<td>3:30 - 3:55</td>
<td>SMAP Mission and Cal/Val Approach</td>
<td>Michael Spencer; <strong>Richard West</strong></td>
<td>JPL</td>
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<td>6</td>
<td>3:55 - 4:20</td>
<td>Recent dramatic advances in developing fully polarimetric space SAR sensors: Why must reduced Compact SAR concepts not be accepted for satellite sensor implementation, and where do we go from here?</td>
<td>Wolfgang Boerner</td>
<td>U. of Chicago</td>
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<th>Time</th>
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<tr>
<td>(Nov. 19)</td>
<td>8:30 - 12:00</td>
<td><strong>Discussion</strong></td>
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