

# EO/IR Calibration and Characterization Workshop

February 15 – 17, 2005

## Tuesday, February 15

- |            |   |
|------------|---|
| 8:00 a.m.  | <b>Registration</b><br><b>Continental Breakfast</b>   |
| 8:30 a.m.  | <b>Welcome and Introduction to the Workshop</b><br>Randy J. Jost, USU/SDL   |
| 8:45 a.m.  | <b>Keynote Presentation</b><br>Jeff Burks, AFRL/SNS   |
| 9:15 a.m.  | <b>Background Brief on Range Calibration, Characterization and Certification Activities</b><br>Randy J. Jost, USU/SDL |
| 10:00 a.m. | <b>Refreshment Break</b><br><b>Participant Discussions</b>  |
| 10:30 a.m. | <b>Areas of Calibration Requirements</b><br>Frank Carlen, US Army   |
| 11:00 a.m. | <b>Boeing EO/IR Characterizations</b><br>Danny Elking, Boeing   |
| 12:00      | <b>Lunch Provided</b><br><b>Participant Discussions</b>   |
| 1:30 p.m.  | <b>Participation and Policy: Developing an Approach</b><br>Randy J. Jost, USU/SDL                                     |
| 2:15 p.m.  | <b>SDL Perspective on Benefits of IR Certification</b><br>Alan Thurgood, USU/SDL                                      |
| 3:00 p.m.  | <b>Refreshment Break</b><br><b>Participant Discussions</b>  |
| 3:30 p.m.  | <b>Results &amp; Benefits of Past RCS Range Characterizations</b><br>Randy J. Jost, USU/SDL                           |

## Wednesday, February 16

- |            |   |
|------------|---|
| 8:00 a.m.  | <b>Continental Breakfast</b><br><b>Participant Discussions</b>  |
| 8:30 a.m.  | <b>Digital Imaging and Remote Sensing Image Generation (DIRSIG) Demo</b><br>Scott Brown, RIT          |
| 9:30 a.m.  | <b>Approaches to EO/IR Range Characterizations</b><br>Randy J. Jost, USU/SDL                          |
| 10:15 a.m. | <b>Refreshment Break</b><br><b>Participant Discussions</b>  |
| 10:45 a.m. | <b>Examples of RCS Range Books</b><br>Randy J. Jost, USU/SDL<br>Scott Milster/Tom Fitzgerald, ATK-MRC |
| 11:15 a.m. | <b>Building an EO/IR Range Book Template</b><br>Scott Milster/Tom Fitzgerald, ATK-MRC                 |

12:00	<b>Lunch Provided</b> <b>Participant Discussions</b>
1:30 p.m.	<b>System Level Approach to Characterization and Radiometric Calibration of Space Based Electro-Optical Sensors</b> Joe Tansock, SDL
2:15 p.m.	<b>Traceability and Uncertainty in EO and IR Signature Measurements</b> Jerry Fraser, NIST
3:00 p.m.	<b>Refreshment Break</b> <b>Participant Discussions</b>
3:30 p.m.	<b>Uncertainty Analysis for EO/IR Systems</b> Byron Welsh, ATK-MRC

## Thursday, February 17

8:00 a.m.	<b>Continental Breakfast</b> <b>Participant Discussions</b>
8:30 a.m.	<b>The EMCC Today, Potential Tools for EO/IR Consorting</b> John Gulick, AFRL/SNS
9:15 a.m.	<b>Code Presentations</b> Various
10:00 a.m.	<b>Refreshment Break</b> <b>Participant Discussions</b>
10:30 a.m.	<b>Guided Panel Discussion on Codes, Modeling, Simulations, and Benchmarks</b> Invited Participants
12:00	<b>Lunch Provided</b> <b>Participant Discussions</b>
1:30 p.m.	<b>Breakout Groups</b>
3:00 p.m.	<b>Refreshment Break</b> <b>Participant Discussions</b>
3:30 p.m.	<b>Reports from Breakout Groups and Wrap up</b>

Workshop Web Site: <http://www.spacedynamics.org/conferences/eo-ir/>



**Space Dynamics**  
LABORATORY  
Utah State University Research Foundation