



**HOLSIP 18 Final Agenda
Snowbird, UT
February 10-14, 2019**

Times are listed as a guideline and are subject to shift based on group discussion. Presenters, please be flexible!

Sunday, February 10

Welcome Dinner: 6:30-9 PM, Lodge Bistro, Pool Level of The Lodge at Snowbird

Monday, February 11, Cottonwood A at the Snowbird Center, Level 2 (7 AM)

Opening Session

7:15 AM *David Forsyth*, HOLSIP Introduction, Mission and Vision

7:45 AM *Eric Tuegel*, Discussion on the HOLSIP process map

Metallic Materials

8:30 AM *Craig Brooks*, H65 Depot Induction

9:30 AM *Marcias Martinez*, Modeling of a Pencil Lead Break Acoustic Emission Source using the Time Reversal Method

10:30 AM *Eric Lindgren*, Future of NDE for Manufacturing

--

4:30 PM *Min Liao and Eric Tuegel*, Airframe Digital Twin and Digital Thread, NRC and USAF/AFRL Progress (2 hour slot)

5:30 PM ---

6:30 PM *Min Liao*, New Progress of NRC Structural Integrity Projects Related to HOLSIP

Tuesday, February 12, Cottonwood A at the Snowbird Center, Level 2 (7 AM)

7:15 AM *Lucy Li*, Testing, Modelling and SHM for an adhesively bonded composite structure

8:15 AM *Gang Li, Guillaume Renaud and Min Liao*, Numerical Modeling and Analysis of a DCB Specimen under Mode-I Loading – A Open Modeling Challenge to TTCP

9:00 AM *David Forsyth*, Risk assessment for bonded joints with NDI (interactive facilitated discussion)

9:45 AM *Kenta Yamagiwa*, TBD

10:30 AM *Eric Tuegel*, APIRA (risk analysis software)

--

4:30 *Takao Okada*, Lightning Strike Damage

5:30 PM *Greg Dubay*, Structural Health Monitoring

6:30 PM *Eric Lindgren*, Discussion on NATO IVHM Specialist's Meeting

Wednesday, February 13, Cottonwood A at the Snowbird Center, Level 2, (8 AM – 5 PMish...)

8:15 AM *HOLSIP Refresher/Introduction*

8:30 AM *Carl Magnuson*, NDI data management and integration

9:15 AM *David Forsyth*, quantitative crack sizing using ET and models

10:00 AM *Brian Boeke*, Discussion: Fastener Joint Allowables and Substitutions

10:45 AM *Dallen Andrew*, A Spatial Statistics Approach for Characterizing 2D Residual Stress Fields

11:30 AM *Sam Zimmerman*, Data Spatial Statistical Methods for Comparing Residual Stress Fields

1:15 PM *Guillaume Renaud*, Plasticity Modelling for Hole Cold Expansion Residual Stress Prediction

2:15 PM *Steve Swift*, Holistic Standards for Holistic Projects (like ERSI)

3:15 PM *Pat Dwyer*, Aviation Integrity: A Holistic Perspective on the Impact of Personal Integrity on Structural Integrity (2 hour slot)

4:15 PM ---

Workshop dinner at 6 PM at the Aerie Restaurant at the Cliff Lodge

Thursday, February 14, Cottonwood A at the Snowbird Center, Level 2 (7 AM)

7:15 AM *Scott Carlson*, Structural Certification of Laser Peening for F-35 Safety Critical Forgings

8:15 AM *Juan Ocampo*, Risk related

9:15 AM *Min Liao*, Summary of the NATO AVT-303 Workshop on Corrosion Management
--- Plus a discussion on the KC-130 propeller failure caused by IGC

10:15 AM --

--

4:30 PM HOLSIP wrap-up; discussion on future plans and goals

A "rough" idea of how HOLSIP will occur...schedule is subject to change based on group discussion!

| | 10-Feb-19 | 11-Feb-19 | 12-Feb-19 | 13-Feb-19 | 14-Feb-19 | | |
|------------------|-----------|---|----------------------------------|----------------------------|--|--|----------------------------|
| Time | Sunday | Monday | Tuesday | Wednesday | Thursday | Time | |
| 700 | | Welcome / HOLSIP Intro | Composites and Hybrid Structures | | Residual Stress | 700 | |
| 900 | | Strategic Vision and Mission Development, Reference Terms, and Workshop Goals Metallic Materials | | Side Meetings / Networking | USAF "ASIP Day" Structural Integrity Risk Assessment NDT Residual Stress Digital Twin/Digital Thread | HOLSIP Applications (Corrosion, Education) | 900 |
| 1100 | | Side Meetings / Networking | | | | Side Meetings / Networking | Side Meetings / Networking |
| 1600 | | | Metallic Materials | Risk Assessment | | HOLSIP 2020 Planning (until 1930) | 1600 |
| 1730 | | Evening Reception (1830) | | | | | 1730 |
| 1900 | | | Adjourn | Adjourn | Conference Dinner (1800) | | 1900 |
| Color Key | | | | | | | |
| | | Group Tech Sessions | | | | | |
| | | Side Meetings | | | | | |
| | | Social | | | | | |
| | | Free Time | | | | | |