<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenters</th>
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<tbody>
<tr>
<td>7:00 am</td>
<td>Check in, Breakfast (provided)</td>
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<tr>
<td>8:00 am</td>
<td>Opening Welcome and Introductions</td>
<td>VPR</td>
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<tr>
<td>8:15 am</td>
<td>Overview of ReACt</td>
<td>Alan Hurd (LANL)</td>
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<tr>
<td>8:30 am</td>
<td>LANL Science Pillars</td>
<td>Marianne Francois (LANL)</td>
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<tr>
<td>8:45 am</td>
<td>Visionary talk on future research direction</td>
<td>TBD</td>
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<tr>
<td>9:45 am</td>
<td>Coffee break</td>
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<tr>
<td>10:00 am</td>
<td>Technical talk: Scientific and Imaging Institute</td>
<td>Mike Kirby (Utah)</td>
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<tr>
<td>10:30 am</td>
<td>Technical talk: Computational Visualization</td>
<td>Valerio Pascucci (Utah)</td>
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<tr>
<td>11:00 am</td>
<td>Break out 1: Working Group discussion in parallel (30min SOA + 1hr discussion on research needs): Expected outcome: research needs in the context of the future research direction</td>
<td>TBD</td>
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<tr>
<td></td>
<td>1) Design of nanomaterial</td>
<td>Saryu Fensin (LANL)</td>
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<td>2) Design of material-structural system (multiscale design)</td>
<td>Alicia Kim (UCSD) &amp; Abigail Hunter (LANL)</td>
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<td>3) Physics based machine learning</td>
<td>Cassandra Toy (Microsoft) &amp; Gowri Srinivasan (LANL)</td>
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<td>4) Multiscale multiphysics modeling</td>
<td>Muge Fermen-Coker (USARL) &amp; Aimee Hungerford (LANL)</td>
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<td>5) Computational visualization</td>
<td>Dr.Kelly Gaither (UT-Austin) &amp; Christine Sweeney (LANL)</td>
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<td>12:30 pm</td>
<td>Lunch (provided)</td>
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<tr>
<td>2:00 pm</td>
<td>Poster presentation – summary of Break-out 1</td>
<td>Poster Presenters</td>
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<td>3:00 pm</td>
<td>Presentation on Research Opportunities</td>
<td>Marianne Francois (LANL-NNSA), Muge Fermen-Coker (USARL)</td>
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<td>4:00 pm</td>
<td>Break out 2: Working Group discussion in parallel</td>
<td>Groups self select</td>
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<td>Expected outcome: research topics/proposal ideas</td>
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<tr>
<td>5:00 pm</td>
<td>Drinks and Informal networking and poster presentations</td>
<td>Faculty/ Students</td>
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<tr>
<td>6:30 pm</td>
<td>Dinner</td>
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<tr>
<td>10/11/19</td>
<td>Friday</td>
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| **Location:** | **University of Utah**  
**Beverley Taylor Sorenson Arts and Education Complex** |
| 8:00 am | Breakfast (Provided) |
| 8:30 am | Federal Landscape & Gender Equity  
TBD |
| 9:30 am | Break out 3: White Paper Development  
By parallel Working Groups but prefer moving to alternate groups, discuss research questions, expertise needed, proposal opportunities, gender equity solutions, and future planning  
Grps 1-5 reform (based on networking/research opportunities) |
| 10:30 am | Coffee break |
| 10:45 am | Continued discussion  
Grps 1-5 reform |
| 12:00 pm | Working Lunch (provided) |
| 12:30 pm | Final presentation & adjournment  
Facilitators |
| 1:00 pm | Debriefing and planning—reflect on format, white paper, proposals, next steps  
Organizers and facilitators |
| 2:00 pm | Optional tours (nanofab, scientific computing) |