# Student Engineering Grand Challenges Competition Workshop

## 18 September 2017

**University of Southern California**

<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSION TOPIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 AM</td>
<td>Registration and Continental Breakfast</td>
</tr>
</tbody>
</table>
| 8:30 AM   | ▪ Welcome and Introductions  
▪ Purpose and Expectations  
▪ Agenda Review  
  • Yannis Yortsos, Dean, Viterbi School of Engineering, USC  
  • Asad Madni, Distinguished Adjunct Professor, UCLA Engineering  
  • Burt Dicht, Director, IEEE Student and Academic Education Programs  
  • Ken Jarboe, Senior Program Officer, Manufacturing, Design and Innovation, National Academy of Engineering (NAE)  
  • B.L. Ramakrishna, Director, NAE Grand Challenges Scholars Program Network |
| 9:00 AM   | Overview of Draft Student Competition Concept  
  • Burt Dicht, Director, IEEE Student and Academic Education Programs |
| 9:20 AM   | Breakout Session 1 Guidelines and Expectations  
  • Burt Dicht, Director, IEEE Student and Academic Education Programs |
| 9:40 AM   | Breakout Session 1 (Break into 3 groups and each group is assigned one topic area)  
  o Competition Concept (Eligibility, Deliverables, Timing, Prizes)  
  o Judging Criteria (Society Level and Grand Level)  
  o Value Propositions (Students, Societies, Engineering Depts., Industry) |
| 10:55 AM  | Break |
| 11:10 AM  | Breakout Session Review and Discussion  
  • Ken Jarboe, Senior Program Officer, Manufacturing, Design and Innovation, NAE |
| 11:55 AM  | Lunch |
| 12:55 PM  | Breakout Session 2 Guidelines and Expectations  
  • Burt Dicht, Director, IEEE Student and Academic Education Programs |
| 1:05 PM   | Breakout Session 2 (Break into 3 groups and each group is assigned one topic area)  
  o Society Commitments (Budget, Staff, Volunteers)  
  o Implementation (Timetables, Launch Target, Legal, Logistics)  
  o Communication (Inviting other Societies, Marketing and Promotion) |
| 2:20 PM   | Breakout Session Review and Discussion  
  • Ken Jarboe, Senior Program Officer, Manufacturing, Design and Innovation, NAE |
| 3:05 PM   | Break |
| 3:20 PM   | Competition Roadmap – Synthesize Results  
  ▪ Develop a common list of options  
  ▪ Agree to final concept and criteria  
  • Ken Jarboe, Senior Program Officer, Manufacturing, Design and Innovation, NAE  
  • Burt Dicht, Director, IEEE Student and Academic Education Programs |
| 4:15 PM   | Next Steps and Timetable – B.L. Ramakrishna, Ashok Agrawal (ASEE) and Burt Dicht |
| 4:45 PM   | Closing Comments – Asad Madni, B.L. Ramakrishna and All |
| 4:55 PM   | Group Photo |
| 5:00 PM   | Adjourn |