Break Out Session Report: Building a Community and Growing a Movement
WHAT METHODS/PLATFORMS CAN WE EMPLOY TO SOLIDIFY, GROW, CONNECT AND ENRICH THE GCSP COMMUNITY AND ITS ALUMNI?

• Articulate our goal and purpose.
• Succinct vision/mission statement.
• Create taglines for the GCSP.
• Centralized marketing/message on benefits.
• Branding to help get external partners. Challenge: Hard to explain. Different on each campus.
• Powerful media: video about mindset and power; focused on real personal stories. Possible industry collaboration.
• Events: Regional meetings, seminars, Hackathon, Annual conference.
• Sharing best practices/experiences...both students and administrators/professors.
• Involve students in planning, building, and expanding the program; GCSP Scholars in Residence Program.
• Social networking: Wiki page to share experiences, LinkedIn community, MOOCs, etc. National and international networks. Connect students and faculty.
  • *Platforms don’t make networks work; people make networks work.*
• Provide tangible benefit other than name on NAE website.
  • Produce something for all (frame-able plaque, NAE medal and certificate, etc.).
  • National award for best students/teachers.
• Advertise to students and educators about unique, resume-building experience.
• Informal opportunities to connect, such as ice breakers at the Global Grand Challenges Summit. Connect students where they are.
• Call deans at other parts of school, challenge them to co-teach course on Grand Challenges. Talk to Provost and President about challenges in your region.
• Evidence-based research on benefits to alumni life as opposed to those who did not participate in program.
HOW DO WE EXPAND VERTICALLY TO K-12, COMMUNITY COLLEGES AND EVEN TO MASTERS PROGRAMS?

• Share existing programs in school systems across the country: Edison H.S. (Fairfax County, VA), Tesla H.S. (Redmond, WA), STEM Early College H.S. (Raleigh, NC), etc.

• Start with individual teachers injecting the GCs into individual courses.

• Need ways to reassure parents that new programs incorporating the GCs in K-12 will be well-accepted in universities.

• Partner with existing programs like FIRST, Launch, Project Lead the Way, Project Works, EPICS, camps at universities, Girl Scouts, etc. and inject GCs. Can satisfy “Service Learning” requirement.

• Challenges in high school: Could it become part of credit for college admissions?
VERTICAL EXPANSION CONTINUED...

- STEM outreach program on campus/Build relationships with local communities schools: Students go to schools during the week with lesson plans and passion. Could also bring students to campus.
- Look at framework from NGSS and make sure GCs align.
- Informal education is an opportunity. Need parents to get onboard through hands-on activities. Frame engineering as altruism.
- Scholarships ($) for high school students to go into GCSP.
- Extend the GCSP up into Masters programs.
- Transfer desired GCSP outcomes to graduate students.
- Allow students to help define the problem.
WHAT ARE THE BEST WAYS TO CONNECT ENGINEERING HORIZONTALLY ACROSS DISCIPLINE BEYOND STEM?

• Need courses and projects early on that provide introduction to GCs, for both engineering student and non-engineering students. Create highly interdisciplinary general education course.

• Inject engineering/GCs into required science classes.

• Form an institute that connects various colleges on campus.

• Engineering plus “X” degrees.

• Arts, nursing, computer science, etc. majors showing their contributions to the GCs through poster sessions and invite university leaders.

• Reach out local K-12, so that students know about engineering and the GCs early on.
PARKING LOT ISSUES

Not at this time!