The Engage Initiative at the Student Competition Center

Lorin Achey and Dr. David Smith

What is the Student Competition Center?
• Unique facility in Universities globally
• ~12,500 ft², 24/7 access
• Fabrication facilities, including
  - 3-axis CNC mills
  - Waterjet
  - 3D Printers
  - Welding Equipment
  - Team access to Invention Studio

What is the Engage Initiative?
An initiative to ensure that all students feel welcome to participate and benefit from the SCC.

Project Goals and Activities:
• Demographic Survey: Who is here? Who are we missing?
• Student Experience Survey: Do members feel welcome?
• Inter-SCC events and opportunities for team bonding

What kind of teams work here?
• Robojackets (FIRST, IGVC, RoboCup, & more)
• GT Motorsports (Formula SAE)
• GT Offroad (SAE Baja Team)
• HyTech Racing (Formula Hybrid)
• GT Solar Racing (Formula Sun Grand Prix)
• WreckRacing (Grass Roots Motorsports Challenge)
• EcoCar (DOE/GM)

Results and Continuing Work
The good: Some teams meet or exceed CoE diversity. SCC members feel supported at least “most of the time”. SCC-wide support and interest in more interaction and events.

The challenges: Diversity varies by team and year. Underrepresented groups report feeling less supported by their teams.

Continuing work: Outreach and recruitment to diversity conscious campus organizations. Continued monitoring for best practices.

Participation 2018-19

Climate Survey (Spring 2019)
Response to the question “Do you feel supported by your team?”

The SCC offers Super-Curricular experience...
• Teams operate like a small/midsized engineering firm
• Technical challenges beyond regular classwork
• Integrative across courses and discipline
• Design/Build/Operate
• Opportunities for career advancement through corporate recruiting partnerships
• Engineering leadership, management, and design review, and technical problem-solving experience