

# 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 ft<sup>2</sup>, 24/7 access
- Fabrication facilities, including
  - 3-axis CNC mills
  - Waterjet
  - 3D Printers
  - Welding Equipment
  - Team access to Invention Studio

## 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)

## 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

## Results and Continuing Work

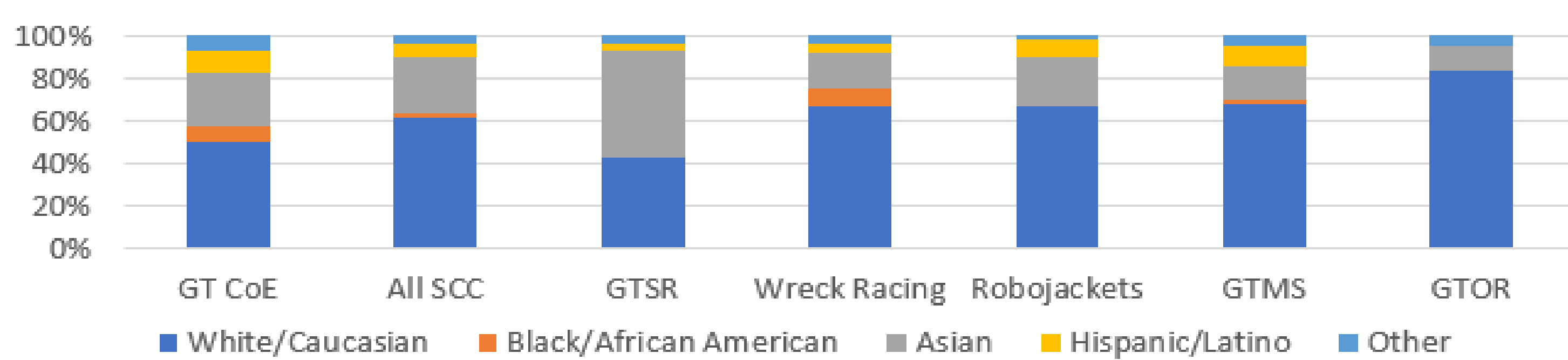
**The good:** Some teams meet or exceed CoE diversity. SCC members feel supported at least “most of the time”. SCC-wide support and interest in more interaction and events.

**The challenges:** Diversity varies by team and year. Under-represented groups report feeling less supported by their teams.

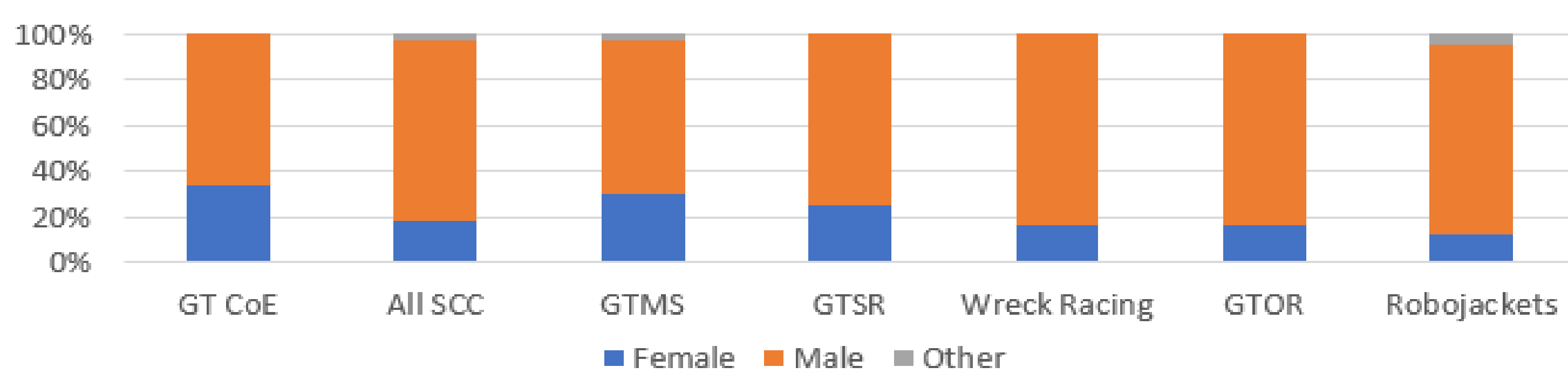
**Continuing work:** Outreach and recruitment to diversity conscious campus organizations. Continued monitoring for best practices.

### Participation 2018-19

Racial Diversity 2018-19



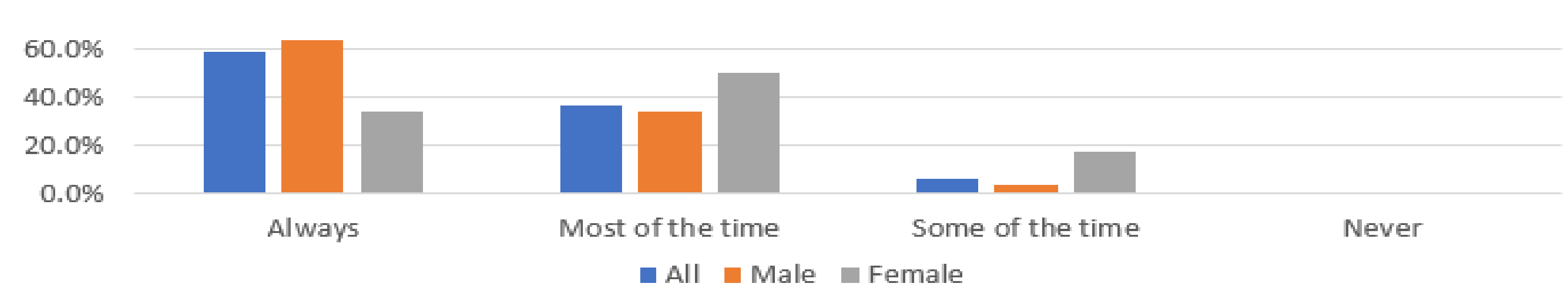
Gender Diversity 2018-19



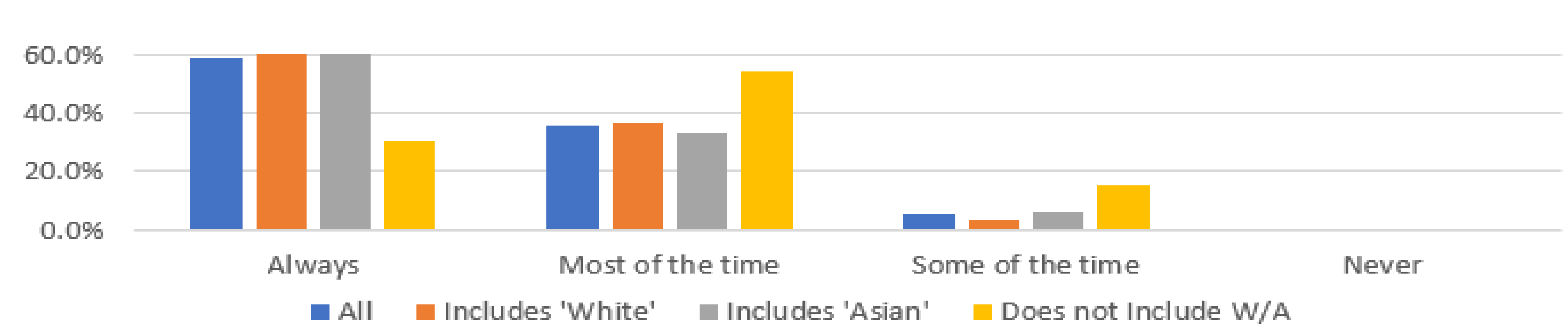
### Climate Survey (Spring 2019)

Response to the question “Do you feel supported by your team?”

Do You Feel Supported by Your Team? (Gender)



Do You Feel Supported by Your Team? (Racial Identity)



### The SCC offers Super-Curricular experience...

- Teams operate like a small/mid-sized 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