



Innovating the Development of Future Leaders with Artificial Intelligence (Project Award #2129007)

PI(s): George Banks (UNC Charlotte; gbanks3@uncc.edu), Wenwen Dou (UNC Charlotte; wenwen.dou@uncc.edu), Srijan Kumar (Georgia Tech; srijan@gatech.edu), Scott Tonidandel(UNC Charlotte; scott.tonidandel@uncc.edu)

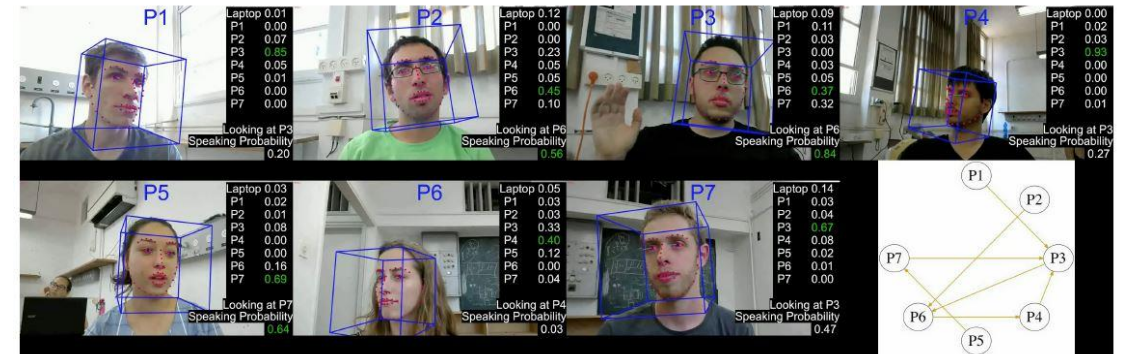


The Big Idea!! To create an AI-powered leadership training prototype that can provide real-time feedback to leaders and can be used by leadership coaches to train the next generation of diverse leaders in order to adapt to an online setting to solve complex organizational problems

- **Future worker:** Leadership coaches; **Future work:** Virtual (e.g., Zoom meetings); **Future Tech:** AI-powered platform for real-time feedback

Planning Grant Activities

- Center for Creative Leadership (CCL) hosted a Science Advisory Council-Research Frontier (Oct, 2021)
- UNC Charlotte and Georgia Tech co-hosted a leadership, data science and DEI workshop. Participants included CCL and Summit Leadership (Feb, 2022)
- PIs and CCL worked on planning activities focused on the following:



- Objective 1: Investigate the verbal and non-verbal behaviors used by diverse leaders.
- Objective 2: Create an AI-powered platform based on the training data
- *Research Question: To what extent do leaders leverage (in)effective behaviors (e.g., charismatic, ethical, transformational, destructive) simultaneously in a virtual environment regardless of the demographic background of the leader?*
- *Research Question: Can we develop an AI-platform to evaluate leader and team behaviors in real-time (verbal and non-verbal; action or inaction; individual, dyadic, or group)?*

