

1145-B1-2072 **Aihua Li*** (lia@montclair.edu), 1 Normal Avenue, Montclair, NJ 07043. *Sample Class Projects that Provide Research Experience in Undergraduate Classrooms.*

In this presentation, the speaker will demonstrate several class projects she recently brought to her classrooms. All of these projects can be considered as mini research projects. Some of them were given by industrial people and some were directly extracted from related mathematics concepts. Students worked in groups on the projects throughout the semester. Class products include oral presentations, poster presentations, and written reports. Some results were presented in the departmental seminars and regional or national mathematics meetings (student paper or poster sessions). Some students continued on the projects after the class. The speaker will share her experience in mentoring student research in classrooms, students' engagement through doing project-based research, and feedback from the students. (Received September 24, 2018)