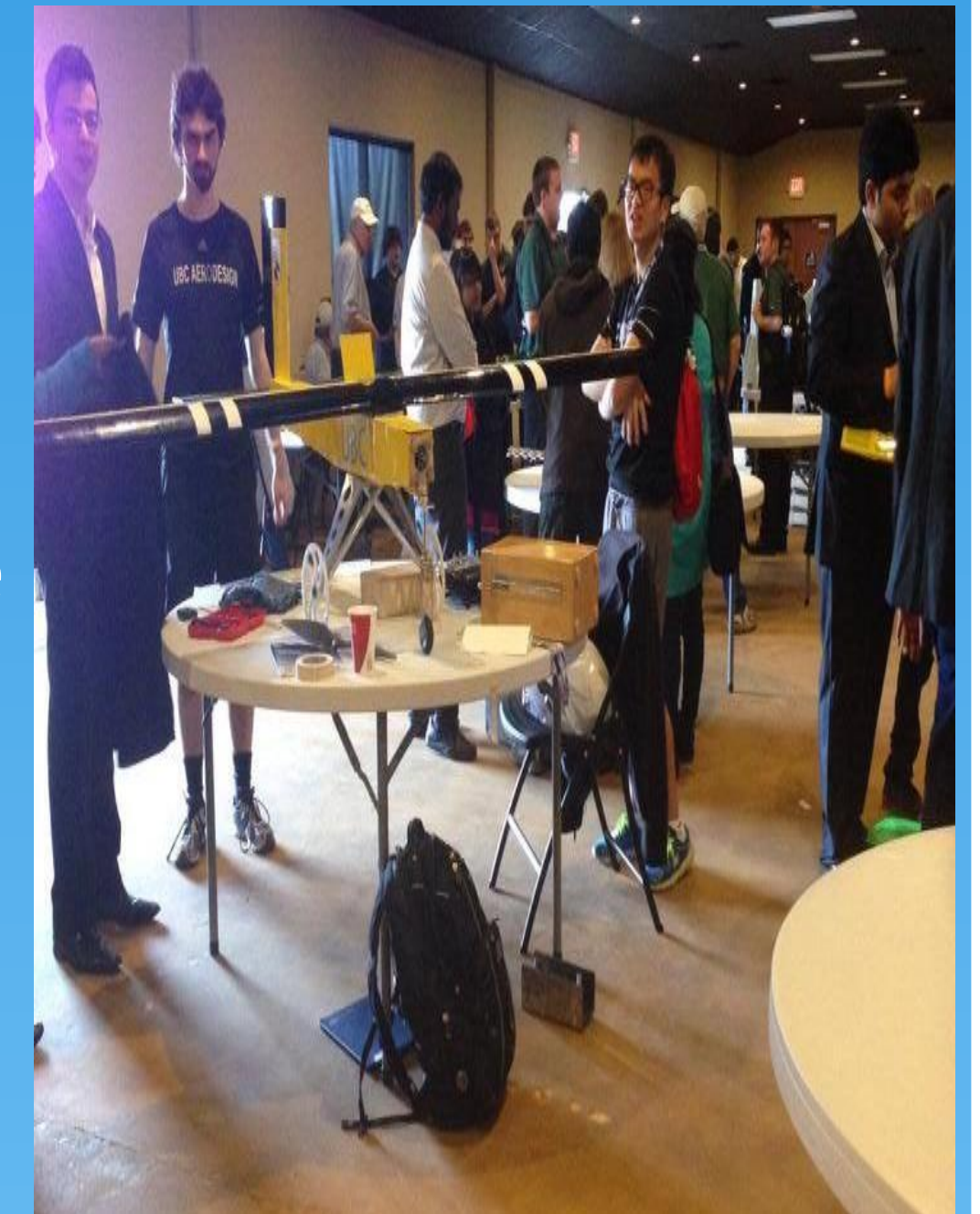




Introduction

- SAE International: “Society of Automotive Engineers”
- ERAU Prescott’s first SAE Collegiate Team
- Compete against other collegiate teams around the world during the spring-term among the various Micro, Regular, or Advanced classes
- Emphasis: Construct and test unique designs of RC style aircraft



Process

- “Designing, Building, Flying”
- Regulation for Regular Class(from Rule Book for 2014 contest)
 - Maximum Size:
Length + Width + Height \leq 175 inches
 - Materials: Fiber Reinforced Plastic(FRP) is prohibited all other materials allowed
 - Motor: One electric motor (size not regulated).
- Scores(distribution changes yearly):
 - Design report, Oral Presentation
 - Final Flight Score(total weights lifted, Max Payload Prediction Bonus, Total Penalty deduction)

Pictures of 2014 West Competition from SAE Aero Design Contest Facebook page



Expected Results

- First Entry for Aero Design Contest West Spring of 2015
- Authentic engineering experience for undergraduate students
- Expand personal/professional connections outside of ERAU Prescott

2014 Aero West Results

Regular class

- 1st : Texas A & M University
- 2nd: University of Manitoba(Canada)
- 3rd: University of Alberta(Canada)

Micro class

- 1st: Wroclaw University of Technology(Poland)

Advanced class

- 1st: UC Davis

Team Members: Kevin Hu, John Lewandowski, TJ Lilyblade, Balmis Lopez, Sho Okayama (team leader)
Faculty advisor : Dr. Shigeo Hayashibara

