**AIChE Meeting Minutes**

*April 16, 2014*

* Mid-Atlantic Conference
  + At UVA
    - Good for networking/made good friends and connections
    - Brought back new ideas for the club, especially from talking to our former president, Owen
    - Observed Chem-E car competition firsthand
* Chem-E Car
  + Shoebox-sized vehicle powered by chemical reactions
    - Some video examples shown
  + Has to travel certain distance and then stop (this can vary each competition)
  + Our car
    - Uses stirling engine (heat engine) and a temperature difference
      * H2O2 decomposition for the hot side and dry ice/ acetone reaction for the cold side
    - Opportunities to be involved:
      * Reactions must be tested
      * Stirling low torque and high speed
      * Install gearbox and chassis
      * Constant temperature requires constant reactant flow
      * Heat engine requires heat flow
      * Timing system required
    - We meet Sundays at 4pm and sometimes Wednesdays at 8pm.
* Omega Chi Epsilon
  + Honor Society of Chemical Engineers
  + Recognizes achievements, both scholastic and personal, of ChemEs
  + Fosters many opportunities
  + Recognition to the Chem-E department and Stevens Faculty
  + Current progress for our chapter
    - Working on proposal to present to faculty and student life
    - We need signatures on our petition!
    - Next step is colonization, then form a chapter
    - Should be done within 2 years
* T-Shirts
  + Cost: will be around $10
  + 
* Peer Mentor Program & Plant Tours
  + Peer mentor
    - Assist ChemE students with courses and non-ChemE as a part of Omega Chi Epsilon
    - Possible study sessions?
  + Plant Tours
    - First-hand experience into chemical engineering
    - Creates relationships with companies and develops resume
    - Infineum
      * Palash is planning a tour (possible Fall Semester)
      * Located in Linden, NJ
      * LET US KNOW IMMEDIATELY IF YOU ARE INTERESTED
* Housekeeping Items
  + Website
* URL: <http://ugstudentlife.stevens.edu/org/aiche>
* Development of Website and Ducksync to begin for Fall 2014
* Website to include:
  + - ChemE Car
    - Campus/Outreach Events
    - Peer Mentor Schedule
    - Calendar for Semester
    - Officer Contact List
    - Got Ideas or Comments? Email [rletona@stevens.edu](mailto:rletona@stevens.edu)
  + AIChE National Registration
    - Make sure to register for membership for great benefits
    - www.aiche.org
* Upcoming Events
  + ChemE semi in Fall 2014
  + Mixer with Faculty
  + BBQ for fall semester
  + In Situ soil remediation talk
    - Monday April 21st 5:30-7:30 @ Pfizer Building
    - Speaker: Michael Wagner on Latest Remediation technologies for in-situ cleaning of soil contamination
  + CONTACT RAUL LETONA IMMEDIATELY IF YOU WANT TO GO. @ rletona@stevens.edu