Announcements and new Business

Baneyx

- Chair Baneyx introduced new AIChE President Harrison Sarsito, and new WChe President, Redeen Duran
- CoE seeking 6.5M Proviso 5 from State legislature in upcoming session – 500K for STARS; Possibly 30 new faculty hires (non-CSE)
- CoE seeking State funding for new interdisciplinary engineering building (100-150M estimated cost)
- 1st cohort of DTC students - 28 identifying ChemE as desired major; BioE oversubscribed. College to work on major education for placement.
- Qiuming appointed Professor Tenure Track
- Lilo wins 2018 CoE Faculty Teaching Award
- DeForest wins 2018 Safeway Early Career Award in Cancer Research (96K)
- Beck and Lidstrom’s work highlighted in UW Today
- Emeritus Prof. Charles Sleicher interviewed and on the cover of the Spring 2018 issue of 3rd Act Magazine
- Amanda Levenson and Chester Pham honored as 2018 Husky 100’s
- Former Jiang PhD student Andrew White wins CAREER Award
- Sarah Alamdari (Pfaendtner) receives NSF graduate fellowship
- Jessica Soto-Rodriguez first place in SWE Local Portland Graduate Collegiate Competition
- Battery Informatics (Matt Murbach) wins 2018 Clean Energy Prize; Other ChemE teams made the final round: DermaDot and SoLiModule
- Pfaendtner’s paper published in RSC MSDE Emerging Investigator Issue

Upcoming Events Reminders:

April 27 – Awards Day
May 17 - Advisory Board Dinner (Portage Bay Café)
May 22 – Finlayson Lecture and lunch
May 29, 31 or June 1 – Executive Sessions for promotion and Tenure
May 30 – Inaugural Chair’s Distinguished Lecture
June 8 – Graduation / Class of ‘67 Reunion
Save the Date – 2018 Faculty Retreat 9/21/18 UW WAC

Nance – Announced Women in ChemE 2nd Annual 5K Fun Run on 5/5/18
DeForest – Announced that DYSS has put out a call for submissions, and has received several applications
Chemical Engineering Faculty Meeting- Open session
April 23, 2018 | 2:30 - 3:30 pm | Benson Hall room 109 | 2:30 - 3:30 pm

Debbie Carnes

- The University is still in contract negotiations with ASE Union (UAW) representatives
- Possible TA Strike – Be sure to retain access and records of grades and academic records for your classes
- It is against state law for faculty and staff to engage directly with the students regarding the negotiations. Faculty may acknowledge receipt of the information and let the student know that they will forward the concern to the management bargaining team (laborrel@uw.edu) or redirect the students to their union representatives. The union can bring the concern to the bargaining table where the UW and the union can properly address them.

Kaitlin Colleary, Director of Advancement, introduced new Associate Director of Advancement, Chloe DeWolfe-Domingo

Data Science / Strategic Planning Committee Update – Prof. Lilo Pozzo

- Dave, Venkat, Lilo and Stephanie met to brainstorm on DS education in ChemE
- Discussion centered on 4 alternative scenarios of DS implementation with plus/minus
- A DS strong curriculum in ChemE would be transformational but also carry risk
- Need to clear communication with students / stakeholders (could drastically increase program size but also change the composition)
- Options are divided between ‘opt-in’ or all-class DS instruction

Prof Pozzo, DS Committee Chair presented options for introducing Data Science into the ChemE curriculum (see attached table on page 3). A discussion followed. Prof Subramanian, also on the DS committee, noted that the #1 priority to implement DS in the curriculum is hiring new faculty. Currently, the Department is introducing DS in Unit Ops. There were several suggestions on how to move forward, including adding a DS based senior project, a 5th Year MS program, and stand-alone DS classes. Students in attendance commented that senior year may be too busy to focus on/take on additional work in DS, but that she and other students (juniors) are currently taking DS classes, and want more; exposure should be in-depth enough to be proficient in DS.

► It was decided that the department would seek input from the Advisory Board, and advisers were asked to poll students about interest in DS, the results of to be shared at later meetings.
## Chemical Engineering Faculty Meeting - Open session

**April 23, 2018 | 2:30 - 3:30 pm | Benson Hall room 109 | 2:30 - 3:30 pm**

### Different Flavors of DS Curriculum Implementation

<table>
<thead>
<tr>
<th>Module Based Curriculum (like Nano)</th>
<th>All-Class New Curriculum</th>
<th>Cohort Based Curriculum (Track)</th>
<th>5th Year MS Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scattered Curriculum</td>
<td>Holistic Curriculum</td>
<td>Holistic Curriculum</td>
<td>Somewhat Holistic</td>
</tr>
<tr>
<td>All students participate</td>
<td>All students participate</td>
<td>Subset of students</td>
<td>Few students impacted</td>
</tr>
<tr>
<td>Easy to implement / Low Cost</td>
<td>Very Difficult to</td>
<td>Difficult to</td>
<td>OK to implement /</td>
</tr>
<tr>
<td></td>
<td>Implement / High Cost</td>
<td>Implement / High Cost</td>
<td>Medium Cost</td>
</tr>
<tr>
<td>No Change in Pre-Requisites</td>
<td>Changes to 1-2yr</td>
<td>Changes to 1-2yr</td>
<td>No Change in Pre-</td>
</tr>
<tr>
<td>Limited learning in DS</td>
<td>Coursework</td>
<td>Coursework</td>
<td>Requisites</td>
</tr>
<tr>
<td>No new courses necessary but</td>
<td>High expertise in DS</td>
<td>High expertise in DS</td>
<td>Good expertise in DS</td>
</tr>
<tr>
<td>cramped curriculum</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No new income</td>
<td>No new income</td>
<td>Many new courses needed and</td>
<td>A few new courses</td>
</tr>
<tr>
<td>Not Very Significant</td>
<td>Transformational</td>
<td>Duplicate Teaching</td>
<td>necessary</td>
</tr>
<tr>
<td>Little to no risk</td>
<td>High risk (ABET,</td>
<td>Medium Risk</td>
<td>No risk</td>
</tr>
<tr>
<td></td>
<td>student numbers, ranking</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Same cost to students</td>
<td>Same cost to students</td>
<td>Same cost to students</td>
<td>High cost to students</td>
</tr>
</tbody>
</table>

**Note 1:** A cohort-based curriculum can transition to an all-class curriculum if deemed successful. Only delays recognition but reduces risk.

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2017-2018 Chemical Engineering Faculty Meeting Schedule | 2:30-3:30 Benson Hall, Room 109

**FALL**
- 10/9, 10/23, 11/6, 12/4

**WINTER**
- 1/8, 1/22, 2/5, 2/12*, 3/12
  *due to normal biweekly schedule date of 2/19 falling on a UW holiday

**SPRING**
- 3/26, 4/9, 4/23, 5/7, 5/21, 6/4