

Department of Chemical Engineering Faculty Meeting

Agenda

Monday, January 9, 2017

109 Benson Hall | 2:30-3:30 p.m.

Faculty Present:			
François Baneyx (Chair)	Stu Adler	Graham Allan	David Beck
John Berg	Dave Castner	Cole DeForest	Vince Holmberg
Brad Holt	Sam Jenekhe	Shaoyi Jiang	Andy Kim
Elizabeth Nance	Rene Overney	Jim Pfaendtner	Jonathan Posner
Lilo Pozzo	Buddy Ratner	Eric Stuve	Qiuming Yu
Others Present:			
Debbie Carnes	Dave Drischell	Brian Gerwe (ACES)	
Miguel Hernandez (AIChE)	Nicole Minkoff	Shoko Saji	
Allison Sherrill	Joanne Tall (Minutes)		
Faculty Absent:			
James Carothers	Hugh Hillhouse	Mary Lidstrom	Dan Schwartz
Venkat Subramanian			

Meeting called to order at 2:33 p.m.

1. Announcements and New Business

- Cole DeForest wins NSF CAREER Award!
- New paper by Mary Lidstrom, David Beck and ChemE PhD Yanfen Fu in PNAS
- New ACES President: Brian Gerwe
- 3/10 Friday: Grad Recruiting – Note: nice to have faculty attending
- Biographical Supplement (for calendar year 2016) & CV due 1/31 to Joanne
- Send Moulton Award Nominations to Shoko by 1/31 (name & short bio)
vote/discuss on 2/6

2. New Course Proposal (Vote) – Holt

- Energy, Materials, Devices, and Systems – 3 credits. Proposed course
- CEI and David Ginger working on this
- Joint undergrad and grad course in Chemistry/ChemE

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- David Ginger would teach - then others would step in
- Training on equipment in CEI (Lab class for NanoES facilities – test batteries/particles)
- To be offered AUT 2017 - Enrollment – 18 - Not a required course

Motion (Holt):

“I move we approve the New Course, “Energy, Materials, Devices, and Systems”. Stuve seconded. None opposed, 3 abstained.

Motion was approved.

3. Renewal of Graduate Faculty Status (Vote)

Motion (Stuve):

“I move we approve renewal of Graduate Faculty Status for Venkat Subramanian.” Castner seconded. None opposed or abstained.

Motion was approved.

4. Strategic Planning – Baneyx

- CoE wants us to think of interdisciplinary hiring/what hires would make sense?
- Need strategic plan document so we have opportunities to hire, and a better idea of where we want to go
- We have: New vision and mission statement, champions on faculty and Advisory Board
- Need to identify where we want to be in 2, 3 and 5 years – create a timeline
- What is unique for us, what are other departments, college, university and regional strengths – how do we define ourselves?
- Hire best people within context of strategic planning

5. Faculty of 2025 Discussion – Committee *(Beck, DeForest, Holmberg, Nance, Pfaendtner, Subramanian)*

- With attrition, joint hires and 10% growth, we may hire 3-4 faculty over next few years
- Need to find best people that dovetail with Data science, Health/Medicine & Energy

A. Data science:

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- CSE continues to grow but may not be interested in what ChemE cares about.

Explore joint hire options in Molecular Data Sciences

B. Heath/Medicine:

- UW major player. Many opportunities for collaboration, initiatives on campus and outside
- Two possible areas: Multimodal imaging in relation to the fundamentals of physiology and Infectious disease
- Weaving chemical knowledge into imaging could make a big difference

C. Energy:

- Identified energy interfaces as strategic focus. In situ characterization could play into a lot of things and an expert in interfacial characterization might be desirable with the understanding we will always go for the best people
- For Faculty of 2025 – we need to be less specific and think in broader terms
- Largest industry around and will be into the future (energy)
- Francois will recast, send back salient points
- Think more about it – make specific proposals – where should we be going? Where should we be investing?

Meeting adjourned at 3:30 p.m.

Minutes respectfully submitted by Joanne Tall