

CS/IT/Mech/MSCS Advisory Board Meeting

May 10, 2018

Michael Soltys

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Outline of the day

- 12:30-2:00
Lunch
Chris Meissner and presentations by faculty Dallali & Thoms
- 2:00-3:00
Tour of the Sierra Hall labs
- 3:00-4:00
Board meeting in Sierra 1422
- 4:00-6:00
Capstone Showcase Presentation

Board Meeting

Sierra 1422

May 10, 2018 at 3pm

Student Numbers

	CS	IT	Mech	MSCS
Graduating	48	15		15+5=20
Incoming	50 4th largest major	10	35	17
In 2018-2019	400	40	24	50

Year in retrospect

- **Seminars (We want to build this!):**
 - May 1: Marina Lepikhina from Trade Desk
 - Mar 27: Adrian Domanico from Facebook
 - Feb 8: Jinhoh Lee from Italian Institute of Technology
 - Jan 30: Ping Fang from Ventura Startup
 - Dec 12: Michael Jensen from U. of Canberra
 - Etc.

- Taught about 80 sections each term
- Started the Advisory Board
- Obtained WASC accreditation for Mechatronics
- Three of us attended an ABET workshop in San Diego
- Published over 10 papers
- Graduated about 20 masters students

TT Faculty

CS

IT

Mech

Peter Smith
AJ Bieszczad
Pawel Pilarczyk
Michael Soltys

Brian Thoms

David Claveau
Jason Isaacs
Houman Dallali

TT Faculty

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And several full time lecturers are retiring

But Student numbers are growing

We submitted an aggressive but reasonable hiring plan

Some Highlights

Computer Science Club

Programming Guru Competition 2018



1st Place
Ty

3rd Place
Yulia

2nd Place
Brandon



ACM Regional Competitions 2018



ACM Regional Competitions 2018



The 2018 World Finals



ACM Regional Competitions 2018



The 2018 World Finals

1. Moscow State University
2. Moscow Institute of Physics and Technology
3. Peking University
4. The University of Tokyo
5. Seoul National University
6. University of New South Wales
7. Tsinghua University
8. Shanghai Jiao Tong University
9. St. Petersburg ITMO University
10. University of Central Florida

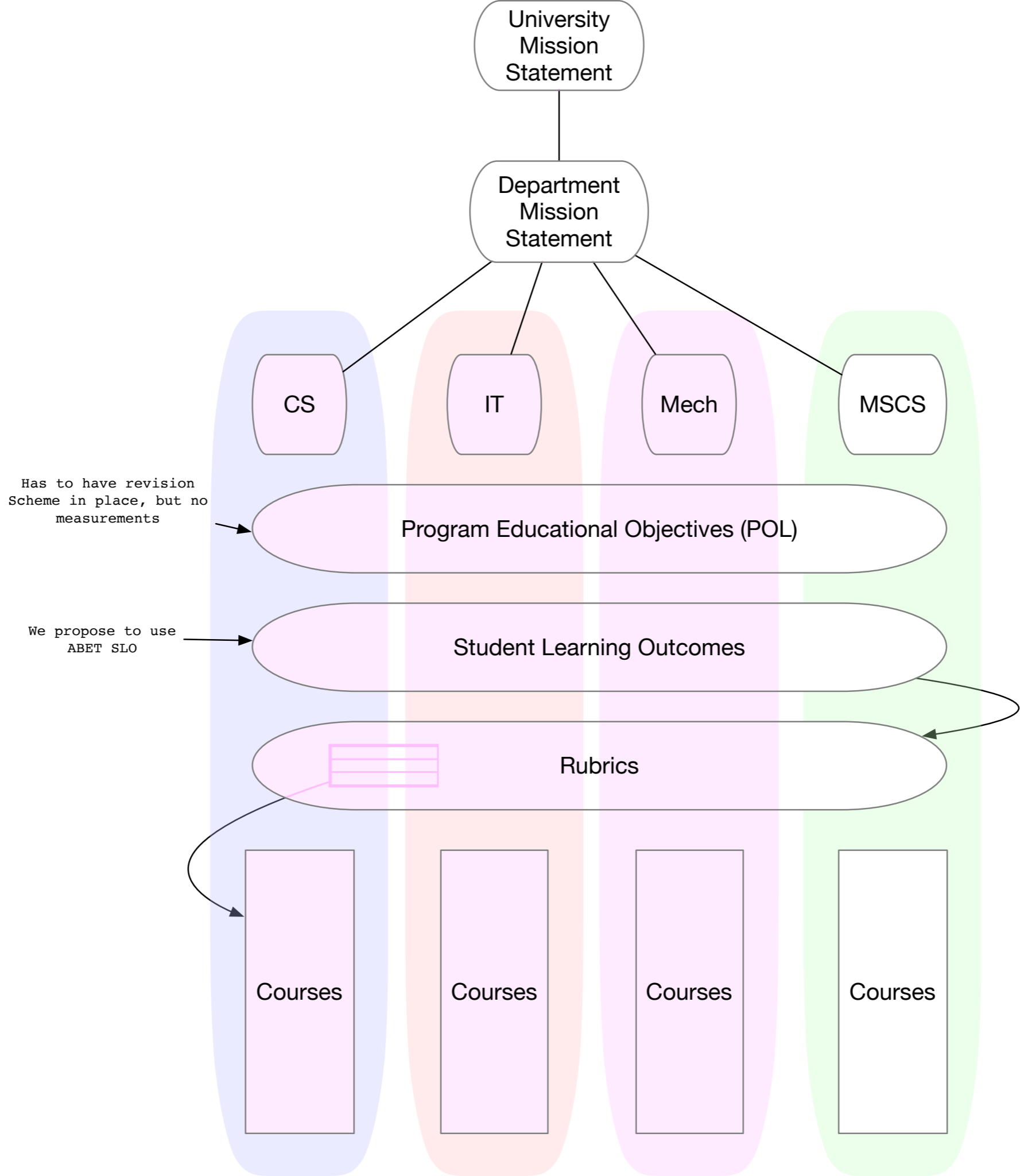
<https://icpc.baylor.edu/regionals/finder/world-finals-2018>

Sobering Stats

- NSB: engineering degrees dropped 20% since 1985
- ACT: less than 6% high school seniors plan to take engineering
- AFS: 0.8% students plan to major in math
- Intel Science Fair: 6million Chinese students applied; 65K US students did (~100:1)
- 50% of US Engineering PhDs go to foreign students
- In next decade, 90% of world scientists & engineers will reside in Asia

ABET

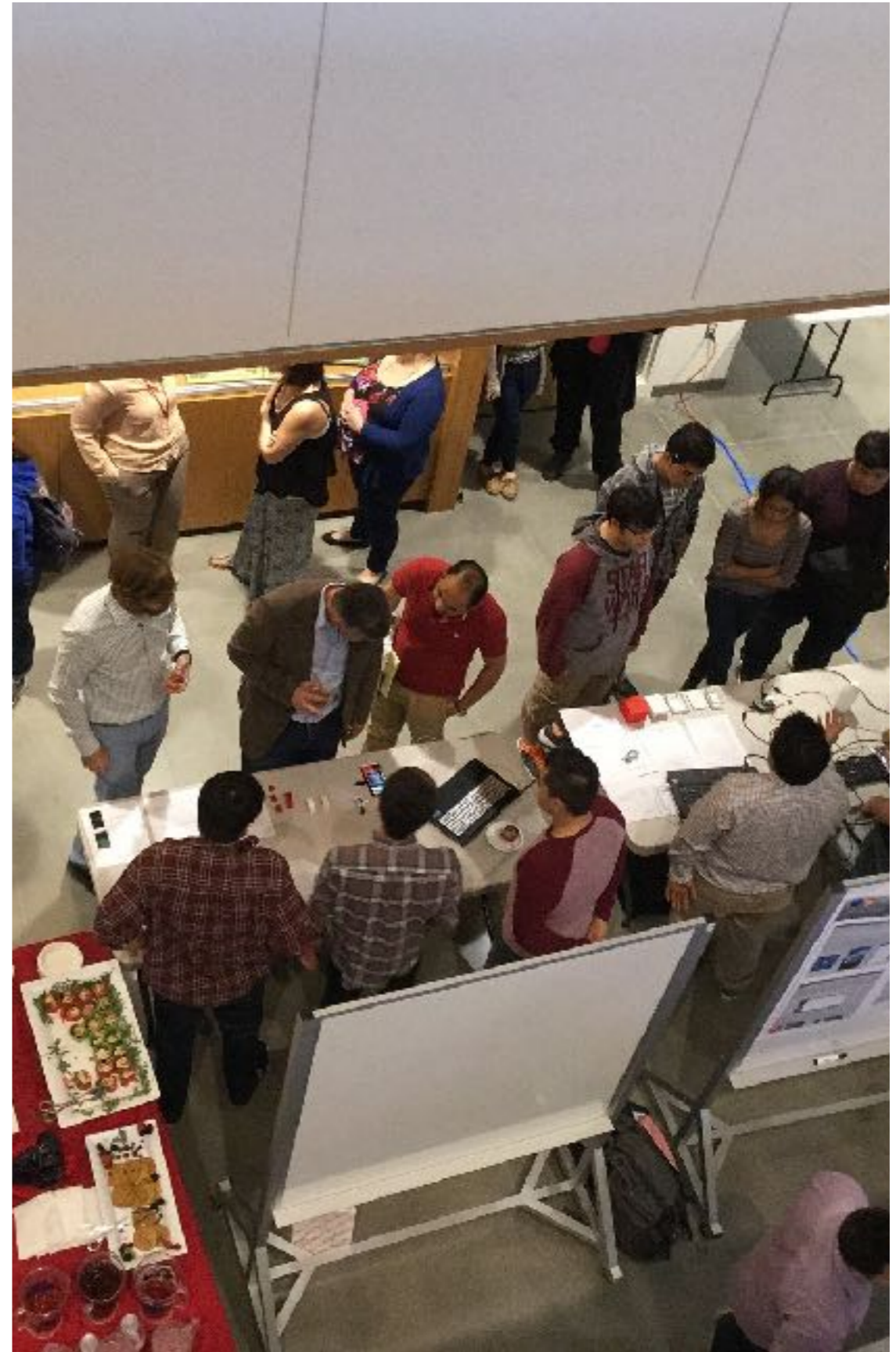
- We need to do assessment:
 - Program review, dean, cont improve require it
- Missing piece to obtain ABET
- Our students will benefit from accreditation
- <https://goo.gl/jrvHft>



Advisory Board Mission

- Constituents
- Hire interns and full time employees
- Support the curriculum
- Real World problems (capstones, projects, theses)
- Champion the dept.

Capstone Showcase



Next meeting
Dec 6, 2018