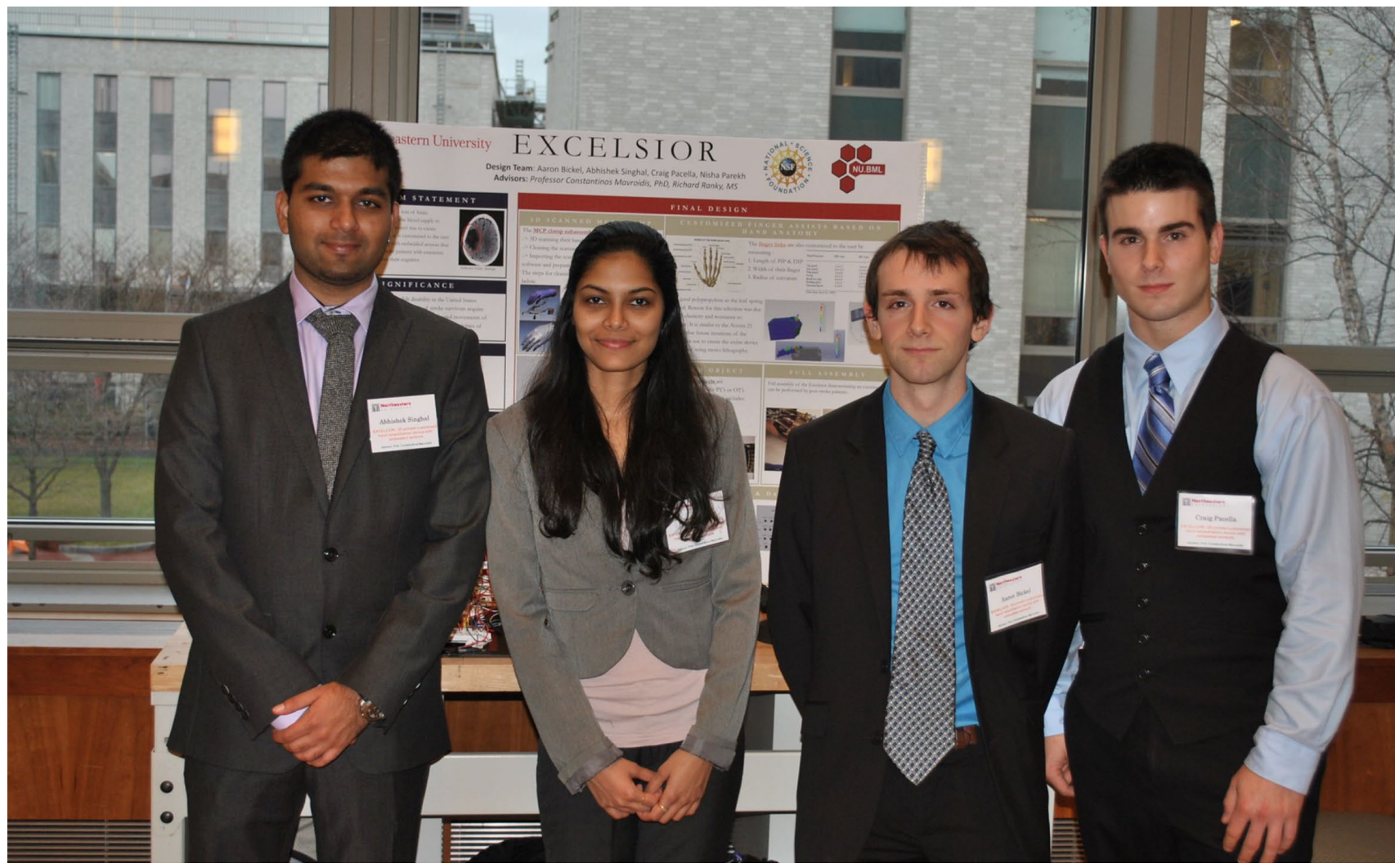
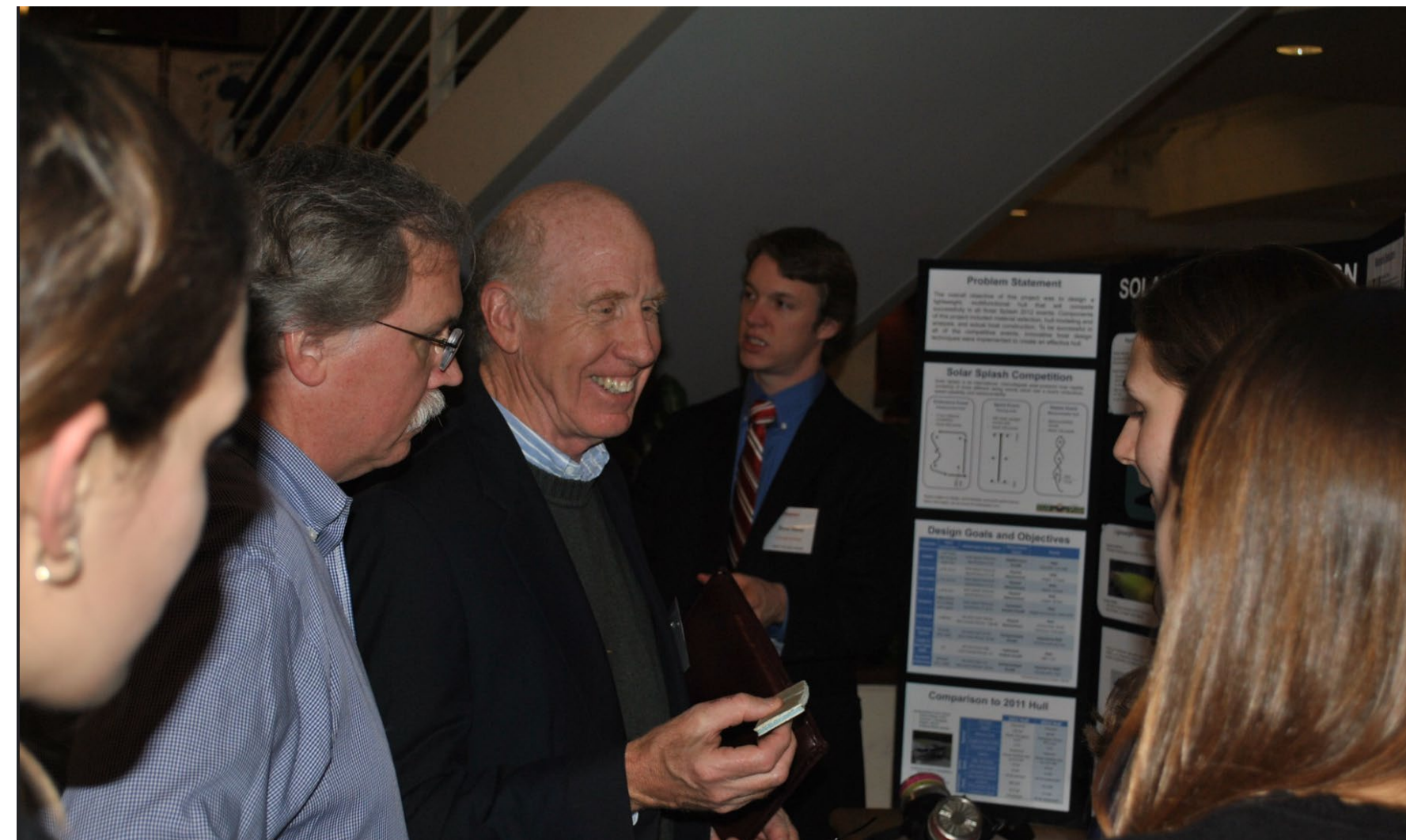


Big idea: We have multiple evaluators. Do they all agree? If so, what are the implications?



Students: Peer reviews, votes for Innovation Awards

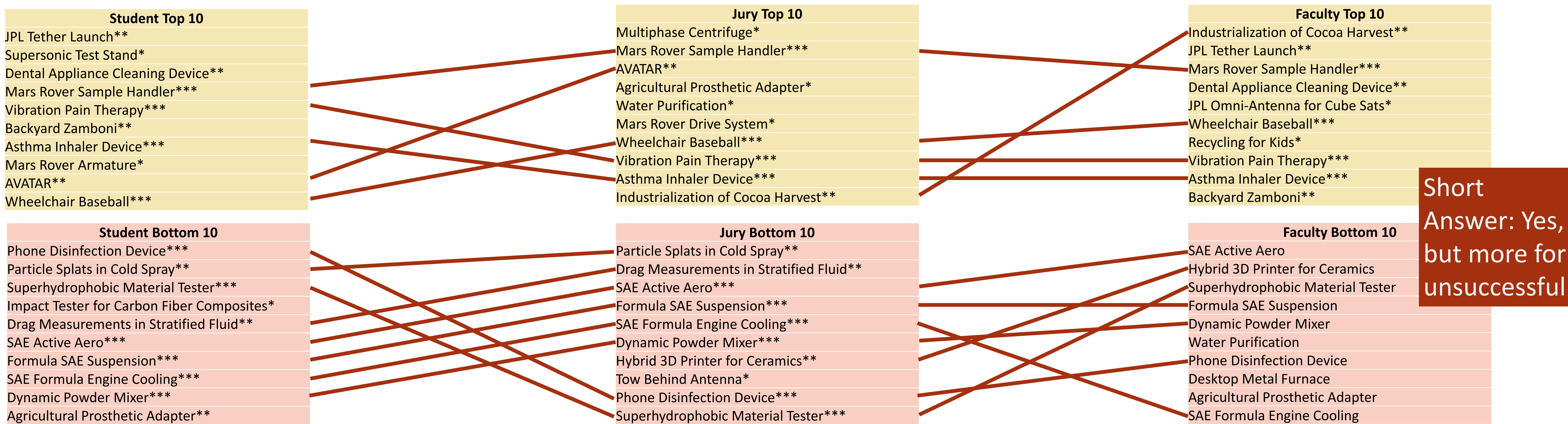


Alumni Jurors: Program evaluations, selection of Impact Award



Faculty: Writing grade, Prototype Grade, Overall Course Grade

Research question #1: Do students, jurors, and faculty identify the same projects as successful or unsuccessful?



Question #2: Are there significant differences between high and low ranked projects?

	Student Averages		Jury Averages		Faculty Averages	
	Top 10	Bottom 10	Top 10	Bottom 10	Top 10	Bottom 10
Student Award Votes	27.2	5.1	21.5	5.6	20.7	6.6
Jury Mentions	2.7	-0.4	4.9	-1	3.3	0.3
Prototype	8.4	5.9	6.7	6.1	9.2	6
Delivered/Initial	10	7.9	9.6	7.8	10	7.4
Writing Grade	92.9	79.2	91	78.7	94.8	75.7

- Differences between top 10 and bottom 10 projects statistically significant
- Exception: Prototype scores for Jury evaluated projects
- High writing grades indicate quality projects
- No effect from source of project

Short Answer:
Yes, but not between evaluators

Question #3: Is there evidence that the different groups of evaluators favor different types of projects?

Top 10 project topics			
# of Projects	Students	Jury	Faculty
Space related	5	3	3
Medical/Assistive	4	4	4
Consumer Product	1	0	1
Service	0	2	3
Research	0	1	0
Automotive	0	0	0
Bottom 10 project topics			
# of Projects	Students	Jury	Faculty
Space related	0	0	0
Medical/Assistive	1	0	1
Consumer Product	1	1	1
Service	0	0	1
Research	5	6	4
Automotive	3	3	3

- SAE teams struggle to sell projects
- Space and medical projects popular
- Space most interesting to students – popular club
- Research projects did poorly
- Helpful projects equally popular among groups

Short Answer:
Yes

Conclusion: Despite some differences, three sources of evaluation are all able to identify quality projects – so use all the evaluators you can!