

STM Annual US Conference
The Future Decade of The Researcher

Future Think!

What research institutions think publishers should be thinking about? What do the research institutions want the scholarly publishers to consider now and in the future?

Lydia Snover

Director of Institutional Research
Massachusetts Institute of Technology

April 26, 2017



Institutional Research
Office of the Provost

Massachusetts Institute of Technology

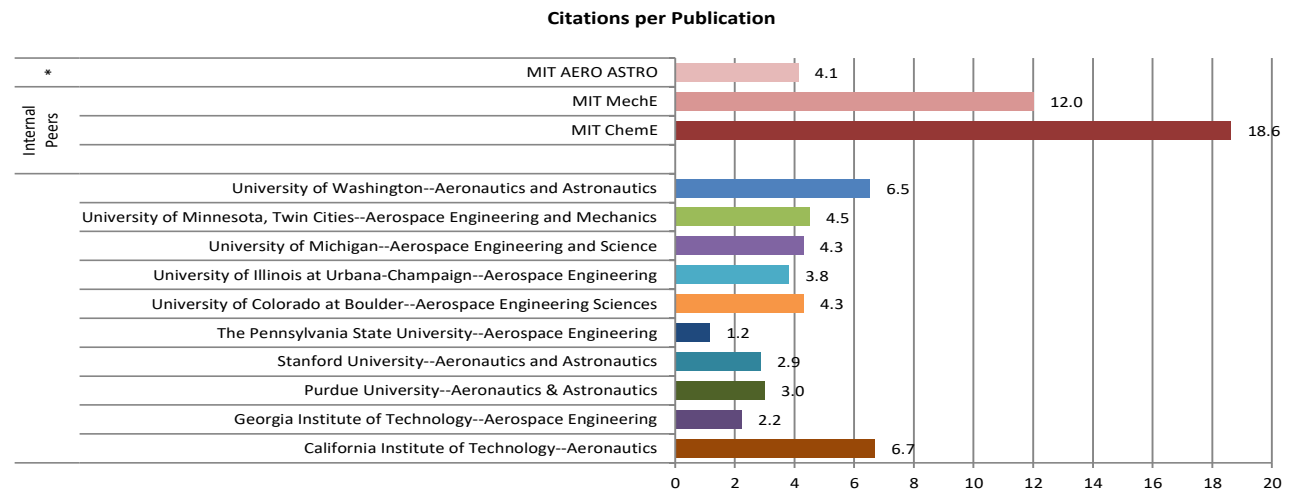
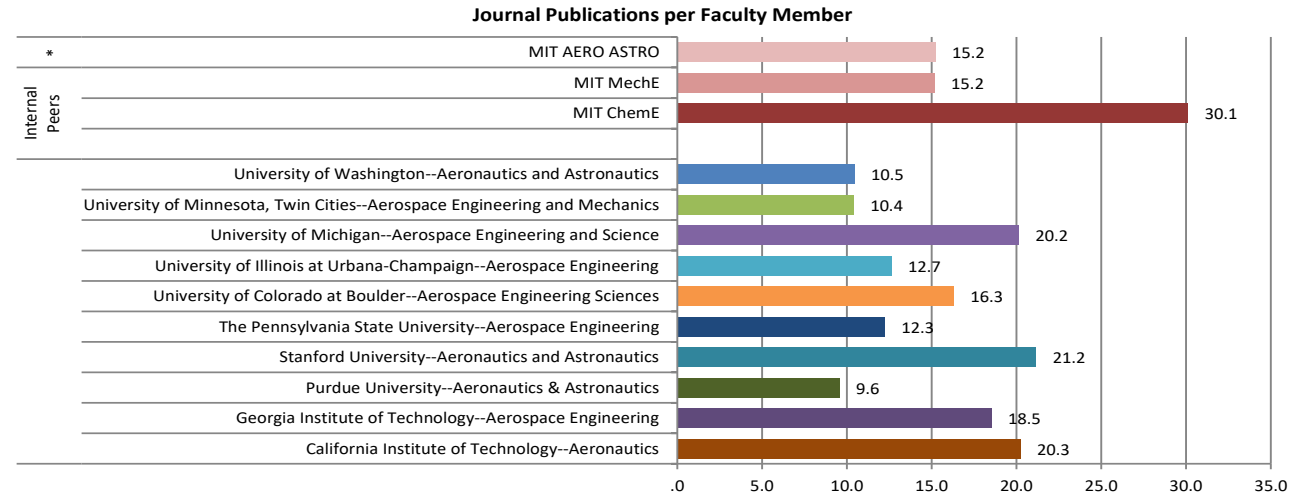
- A primarily STEM institution located in Cambridge, Massachusetts
- Operates Lincoln Laboratory which is an FFRDC located in Lexington, Massachusetts
- Established in 1961, moved from Boston to Cambridge in 1916
- Annual revenues of about \$3.4 billion of which \$956 million are attributed to Lincoln Laboratory
- Endowment is over \$10 billion
- About 1,000 members of the faculty, over 40% were born outside the US
- 14,700 research, instructional, administrative and service staff
- 4,500 undergraduate students and 6,700 masters and doctoral candidates



Massachusetts Institute of Technology

- Five Schools: Engineering, Science, Humanities Arts & Social Sciences, Architecture and Planning and Sloan School of Management: about 30 academic programs and departments
- MIT's annual research revenues on campus are about \$700 million, slightly less than 70% are from the US Federal Government.
- Historically, MIT Scholars have produced between 4,500 – 5,000 publications and conference proceedings each year
- MIT has recently begun to use Bibliometrics in our external review process.

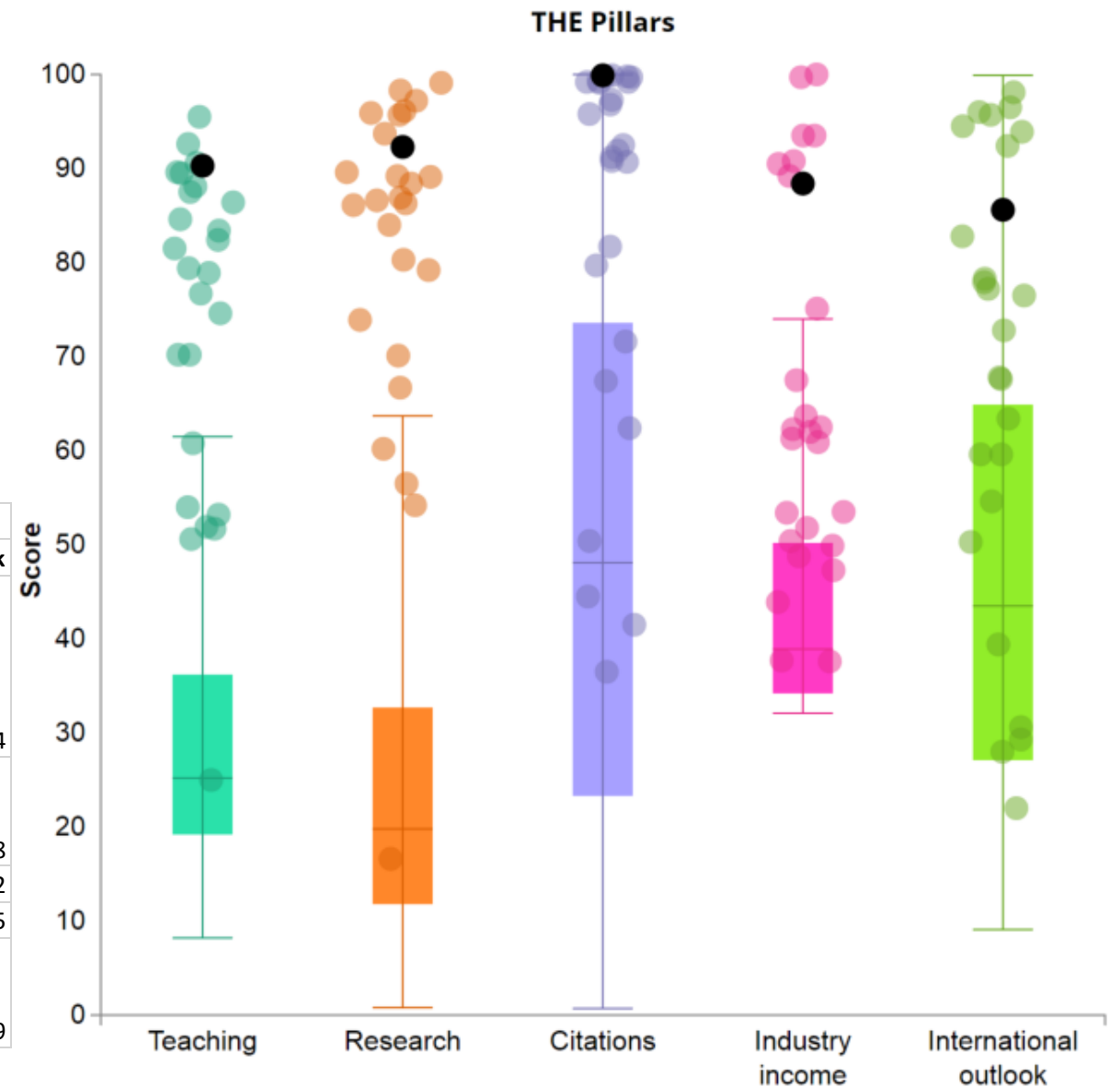
Scholarly Productivity Measures



Rankings

- The use of Bibliometrics in international rankings has increased interest in this subject on our campus

Your performance in detail					
Pillar	Metric	Value	Score	Pillar score	Pillar rank
Teaching	Doctorate to bachelor awarded	0.56	78.4	90.3	4
	Doctorate awarded to academic staff	0.47	76.9		
	Teaching reputation		99.9		
	Institutional income to academic staff	3,999,979 USD	100		
	Students to academic staff	8.8	77.7		
Research	Papers to academic staff		63.3	92.3	8
	Research income to academic staff	1,201,961 USD	98.4		
	Research reputation		100		
Citations	Citation impact		99.9	99.9	2
Industry income	Industry income to academic staff	88,348 USD	88.4	88.4	55
International outlook	Percentage of international staff	38%	95.2	85.6	89
	International co-authorship		64.5		
	Percentage of international students	33%	97		



What is important to research institutions?

- The major research universities in the United States are defined by their commitment to research and graduate education
- Measurable outputs
 - Publications, conference proceedings, books
 - Degree recipients and their productivity after they leave MIT
 - Patents, startups
 - Honors and Awards

Challenges for MIT

Establishing a major repository of publications, conference proceedings and books. With about 25% of our scholars participating in our central electronic Professional Record we have

- 115,000+ Publication records
- 7,500+ Honors & Awards
- 10,000+ Grants
- 50,700+ Student Thesis Supervision
- 43,700+ Student Research/Other Supervision
- 23,400+ Patents