



**ENGINEERING
RESEARCH**

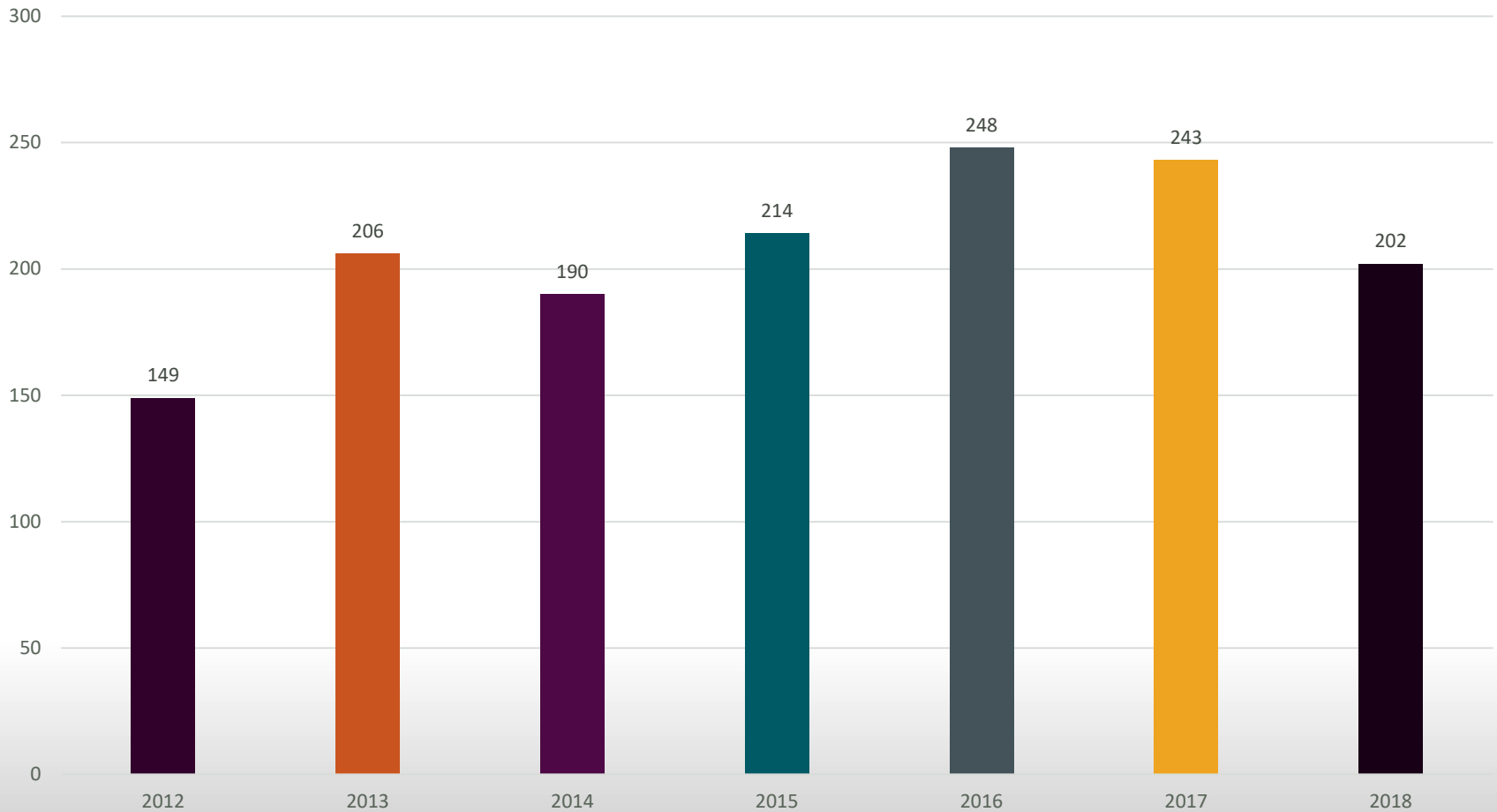
*Speed Research 2018 Annual Report
Kevin Walsh, Jacqui Smith and Travis Ross*

2018 Highlights

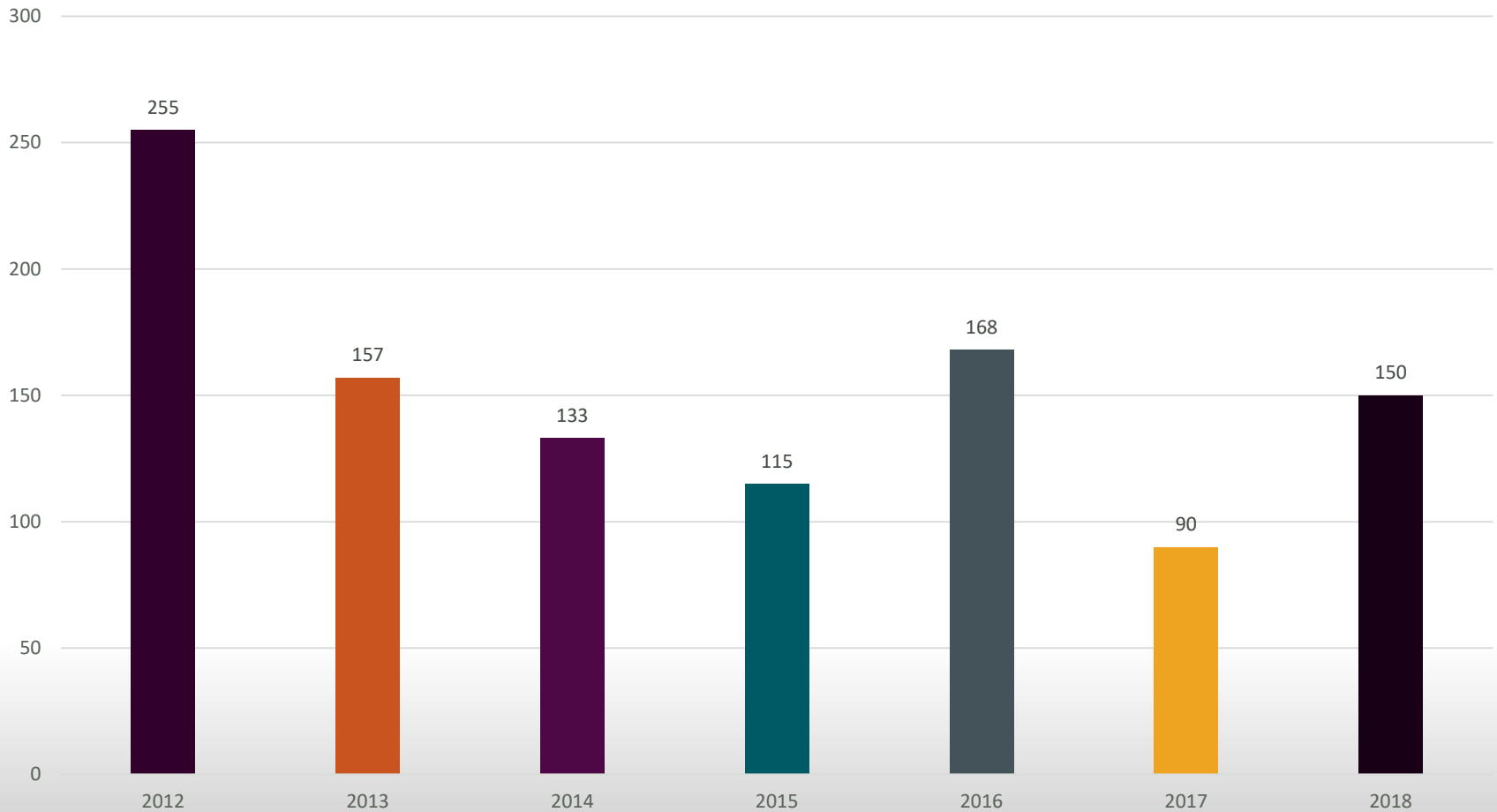
- *FY18 Research Expenditures (based on % collaboration) were \$10.99M, up from 10.35M in FY17, and \$9.62M in FY16.*
- *FY18 New Proposals and Awards Data*
 - *75 New Awards and 214 Submissions*
 - *Total of \$10.46M (based upon PI)*
 - *Largest number of CAREER submissions resulting in our second CAREER award in the past three years (after 6 years with no CAREER grants awarded)*
- *CY18 Publications and Patents Data*
 - *Journals – 202*
 - *Conference Proceedings – 150*
 - *Book Publications – 7*
 - *Chapter Publications – 23*
 - *Patents - 26*

CY18 Publications Information

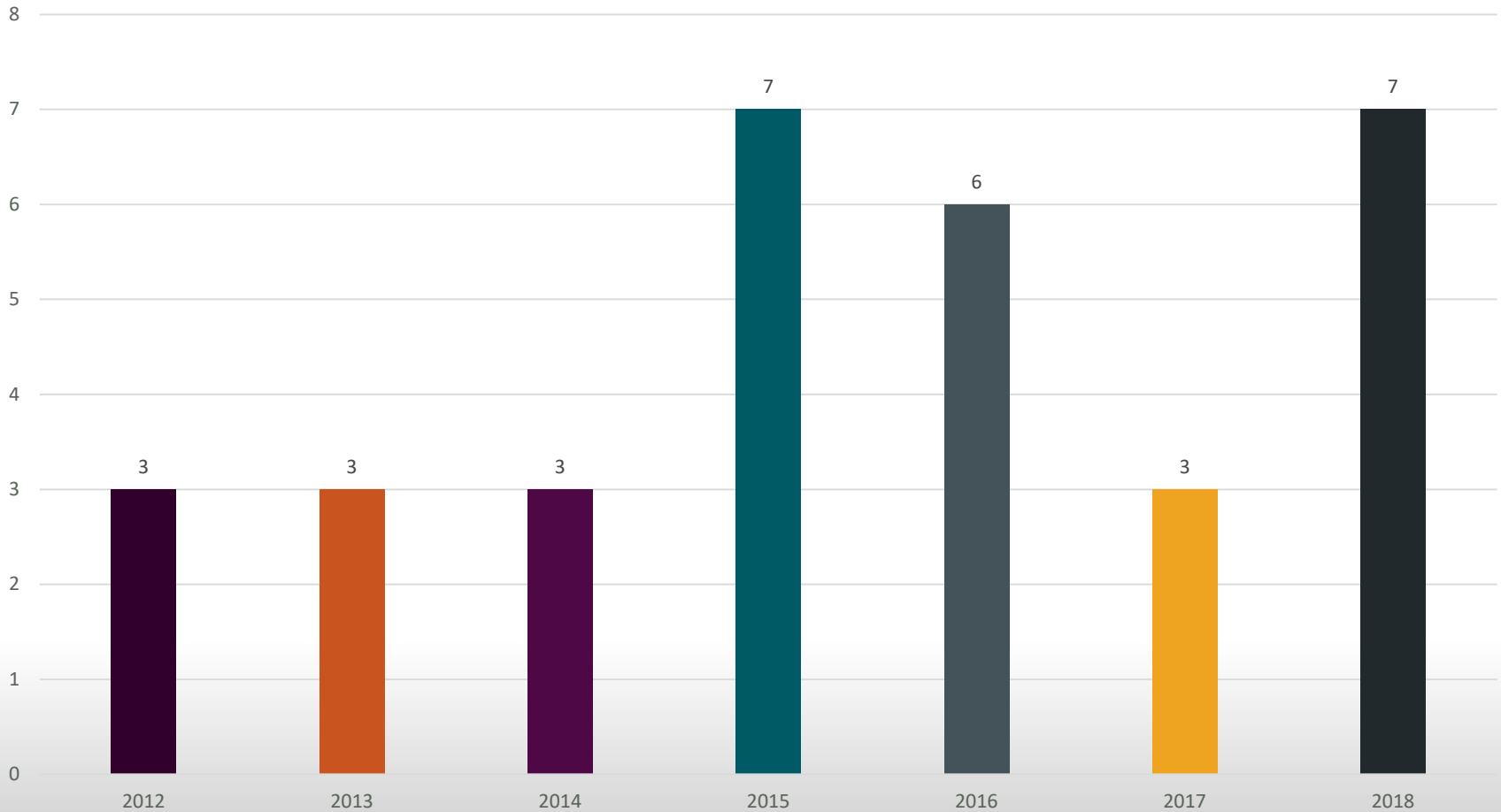
Speed School Journal Publications



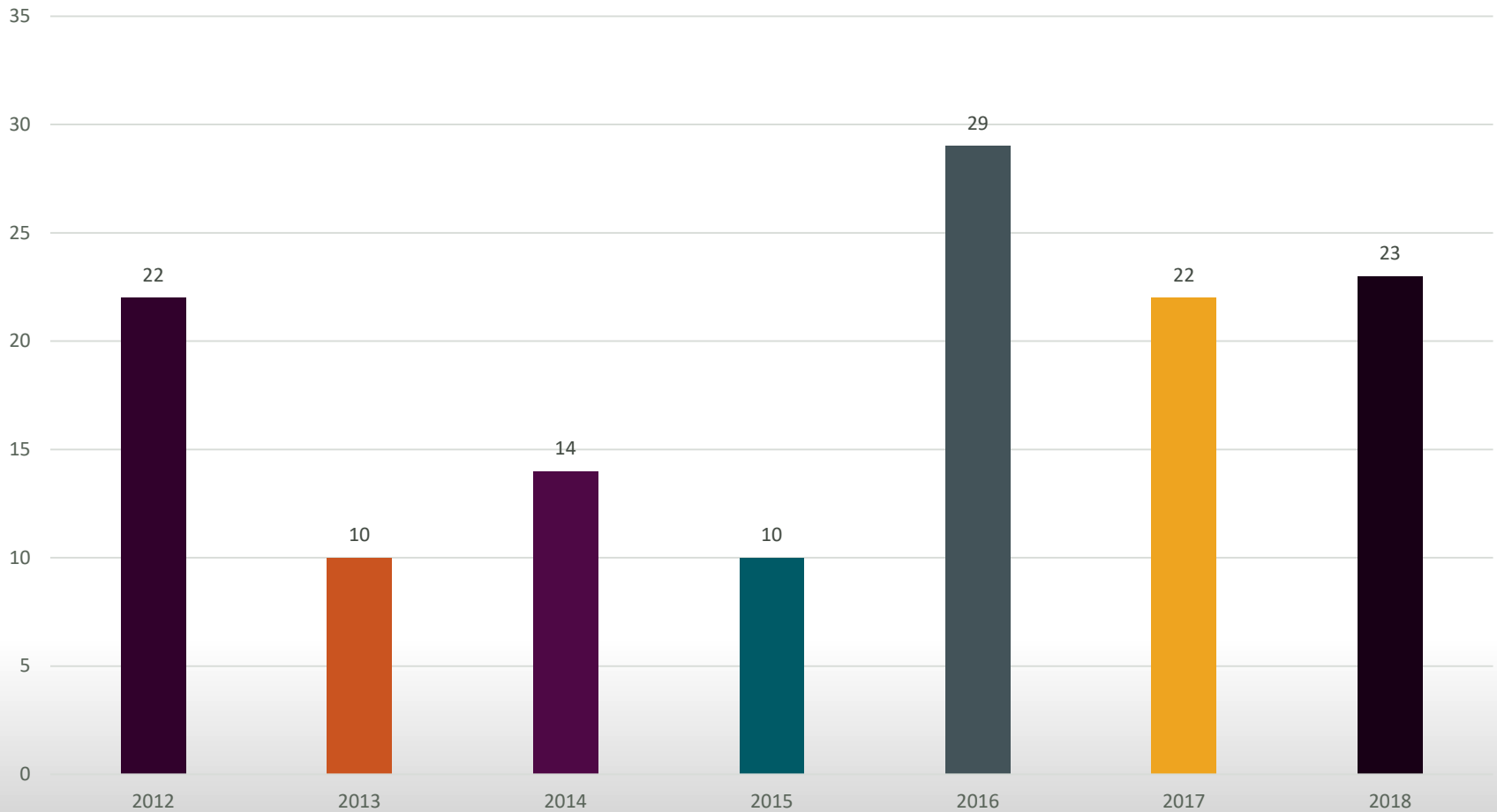
Speed School Conference Proceedings



Speed School Books Published

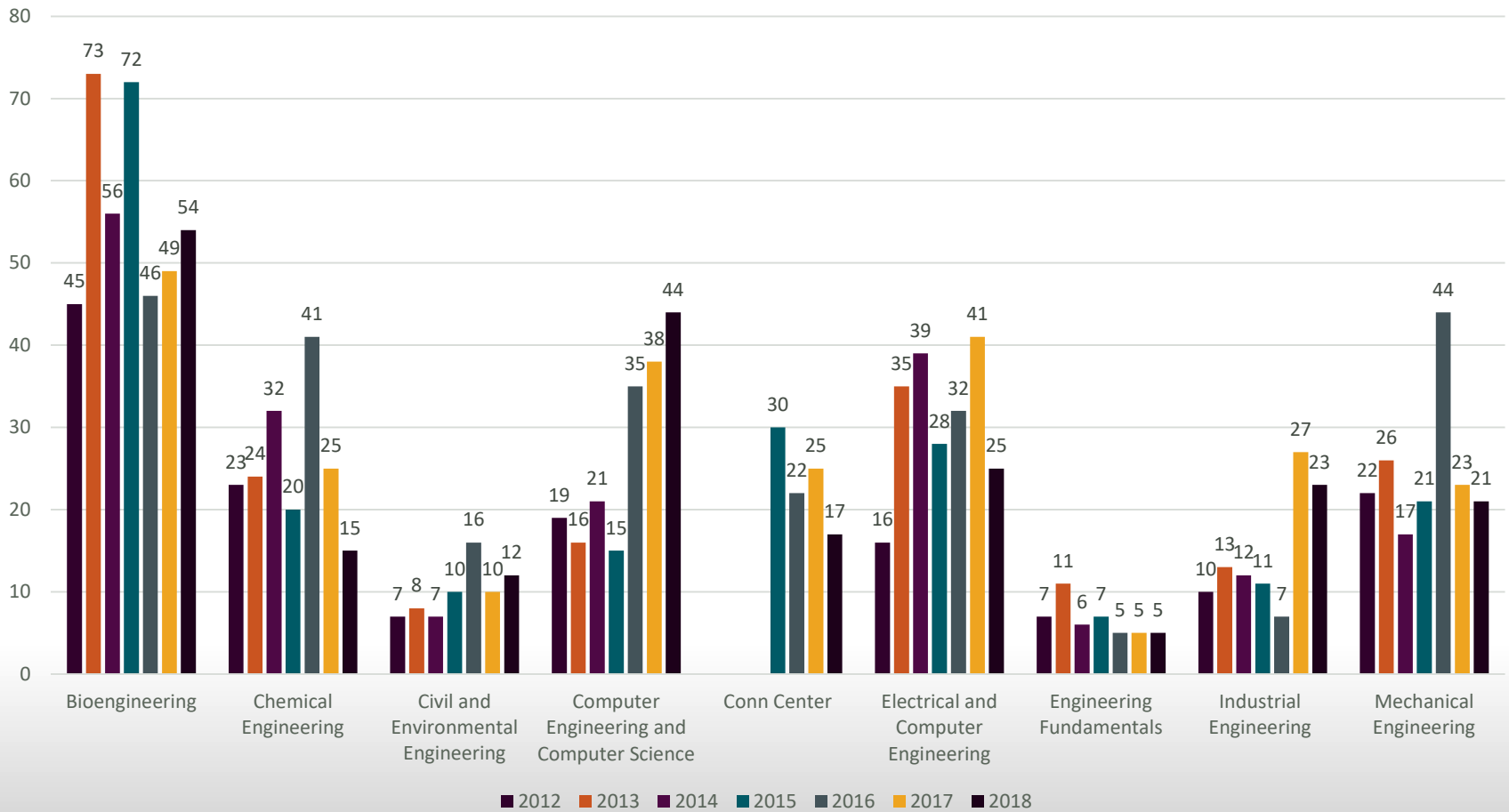


Speed School Book Chapters

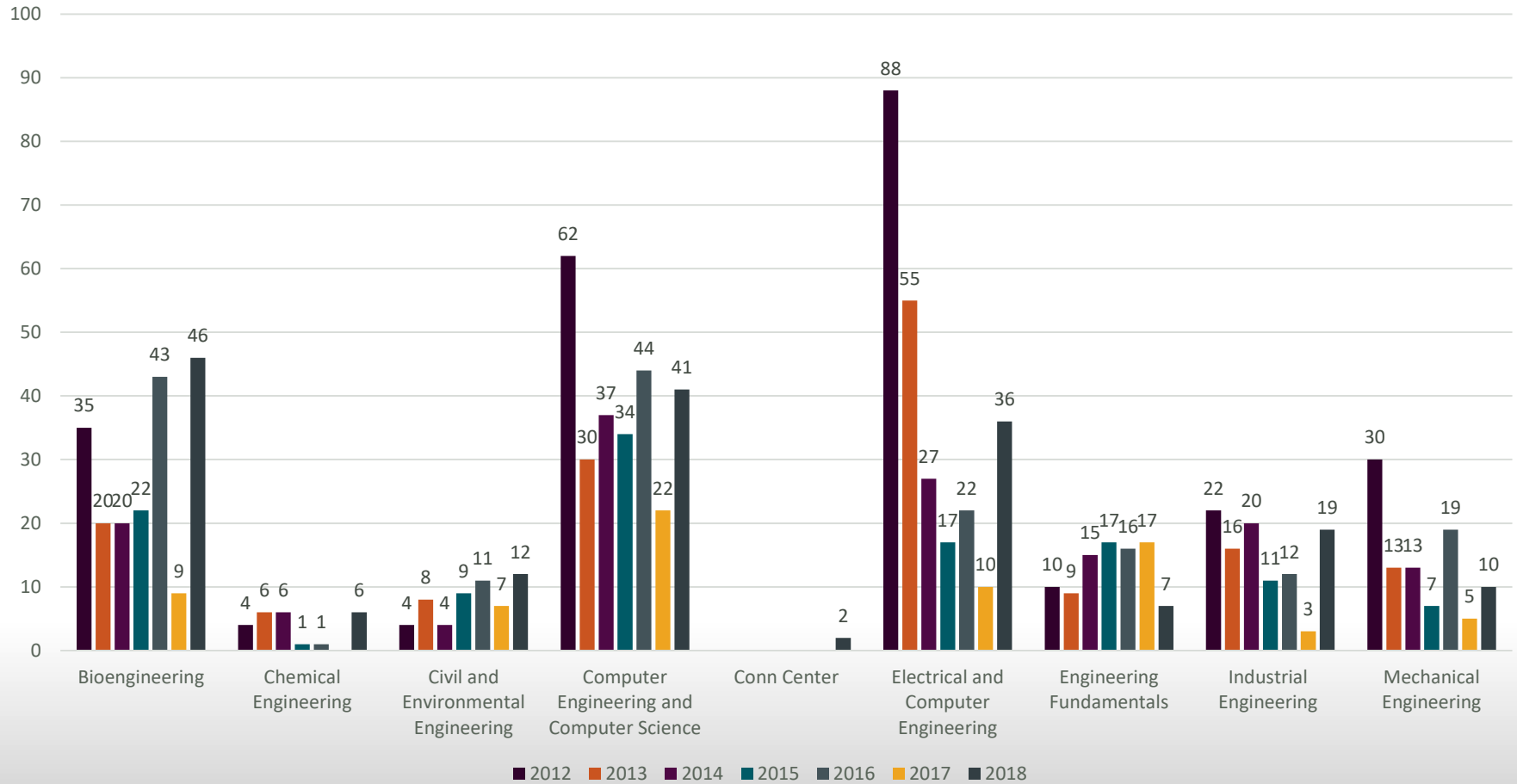


CY18 Publications By Department

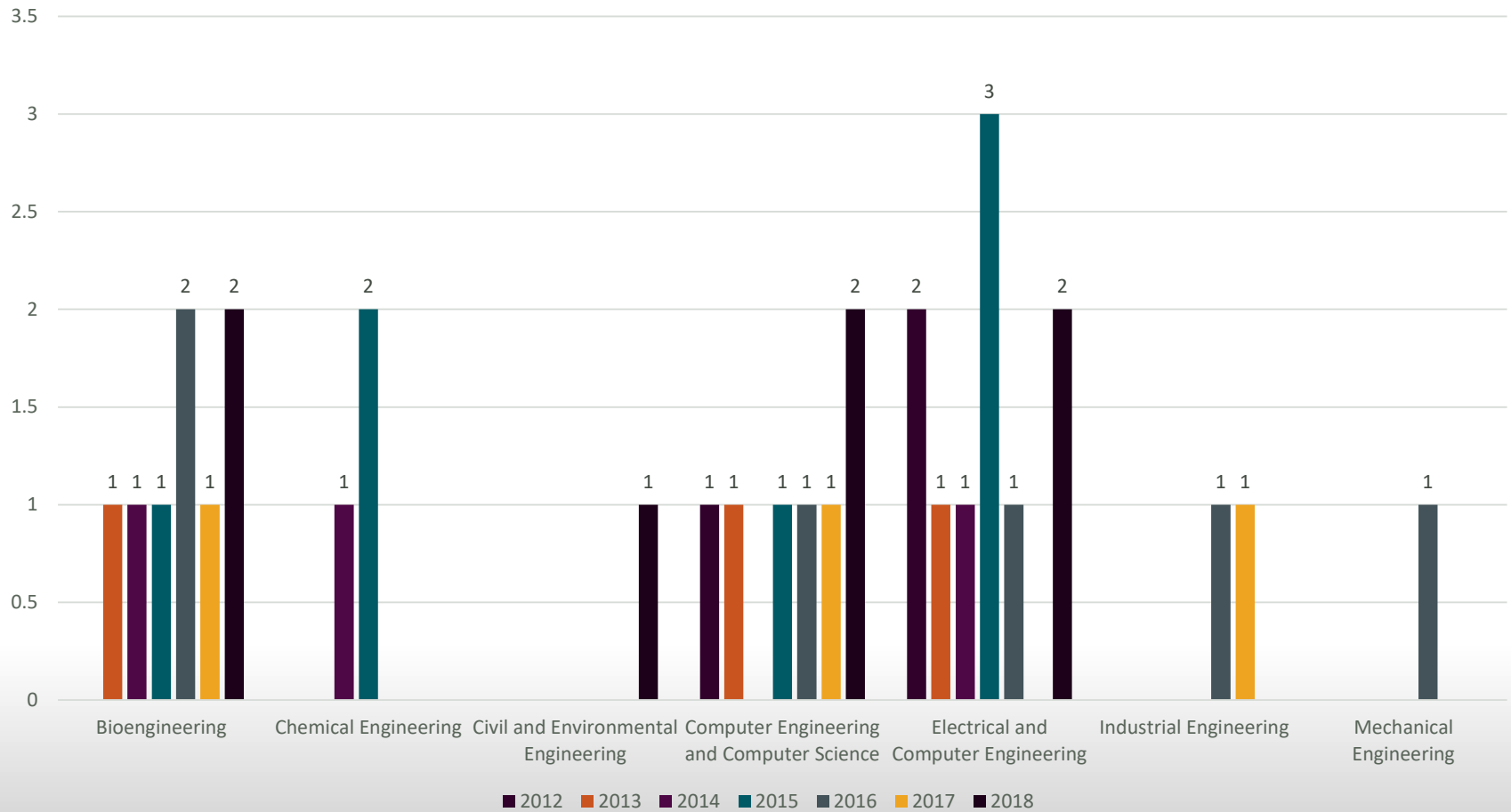
Journal Publications



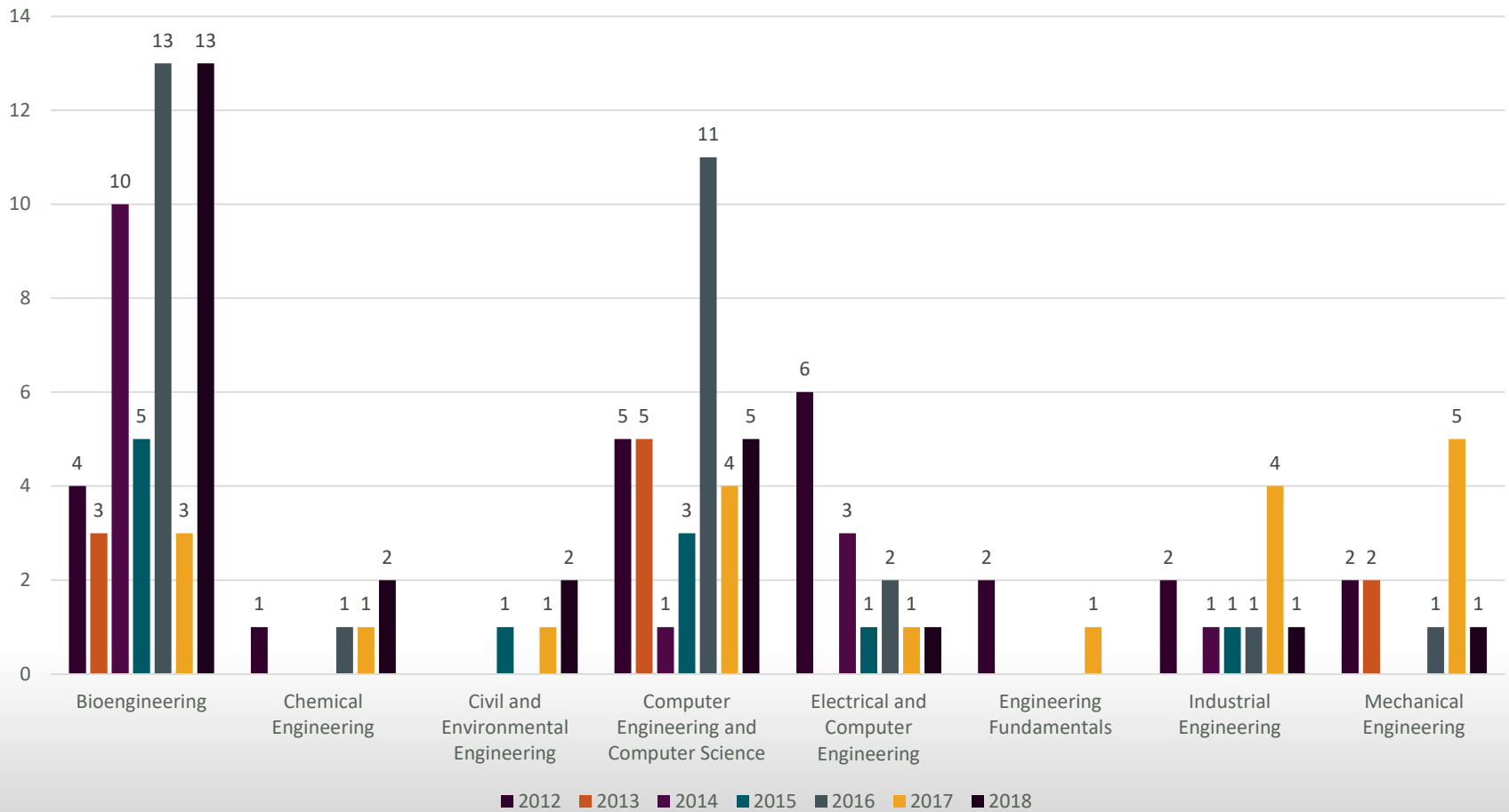
Conference Proceedings



Books Published

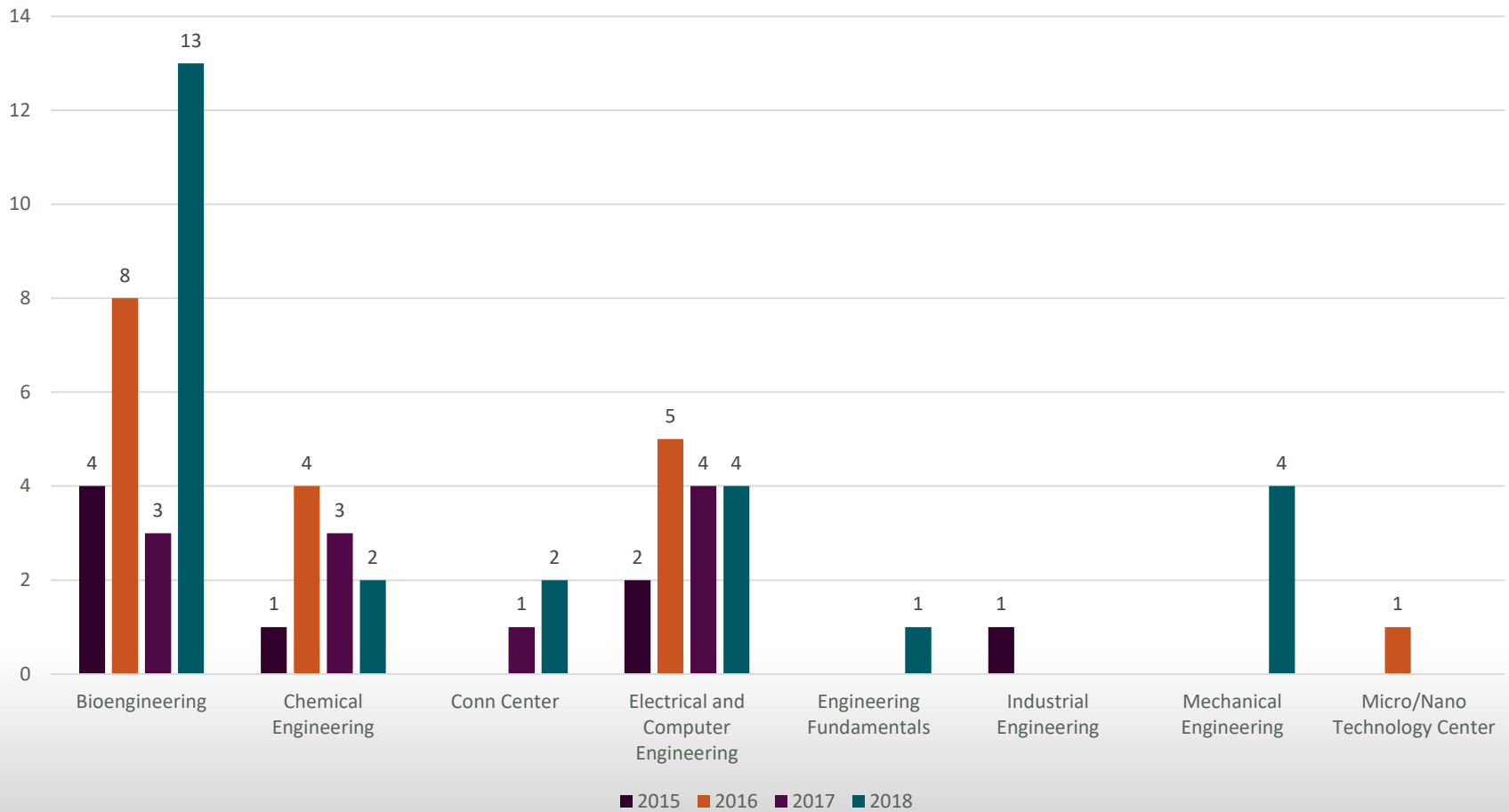


Book Chapters



CY18 Patents

Awarded Patents



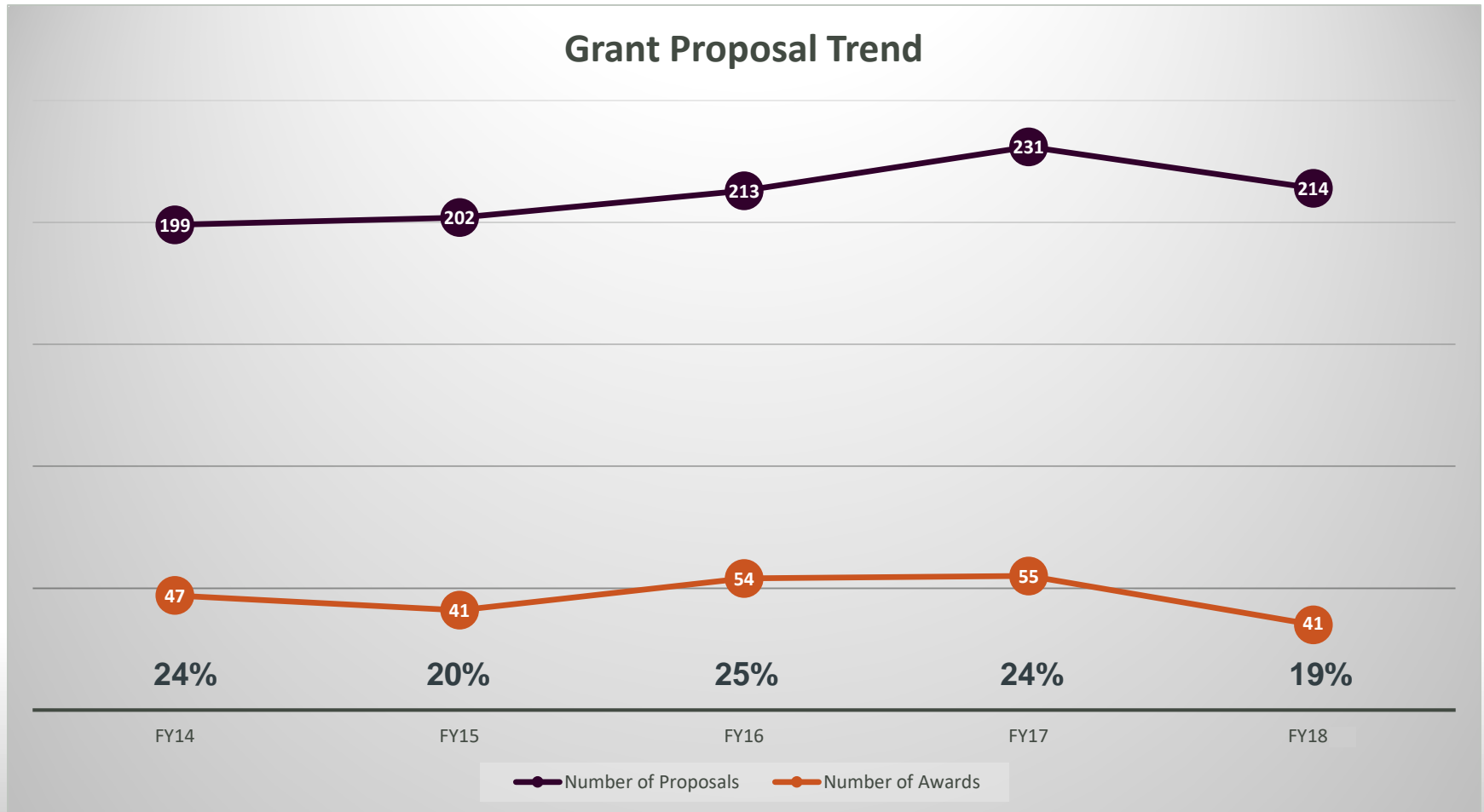
Speed School Research Trends FY14 – FY18

FY14-FY18 Proposals and Contracts By the Numbers

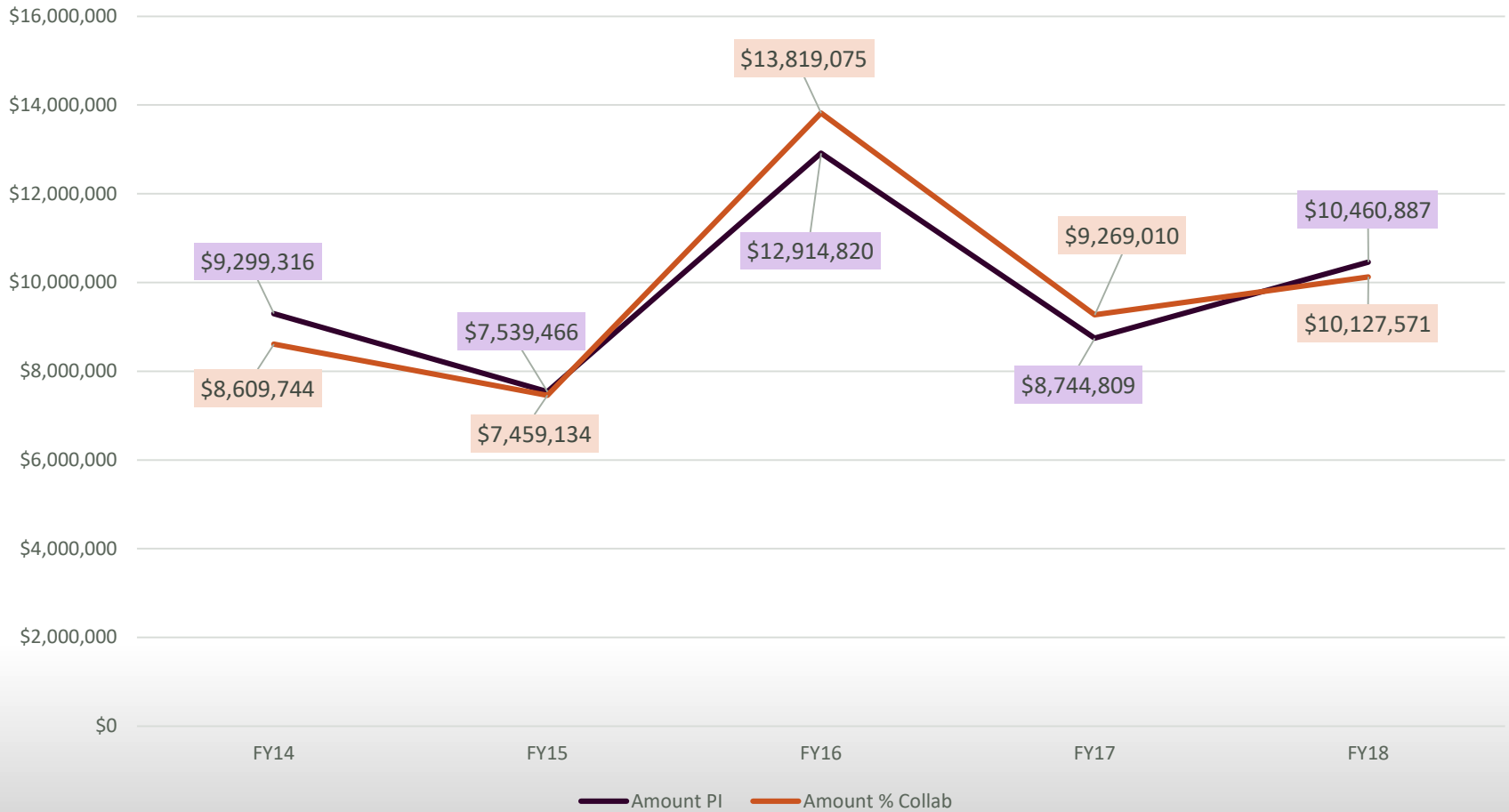
5 Year Summary (Proposals with Speed School as Lead PI)

SSoE Proposals Submitted	1059
SSoE Proposals Awarded	238
Average Submitted per Year	212
Average Awarded per Year	48
Average Success Rate	22%

Speed Proposal Success Rate FY14-FY18



Speed New Awards by Fiscal Year*



*Based on amount currently guaranteed to UofL

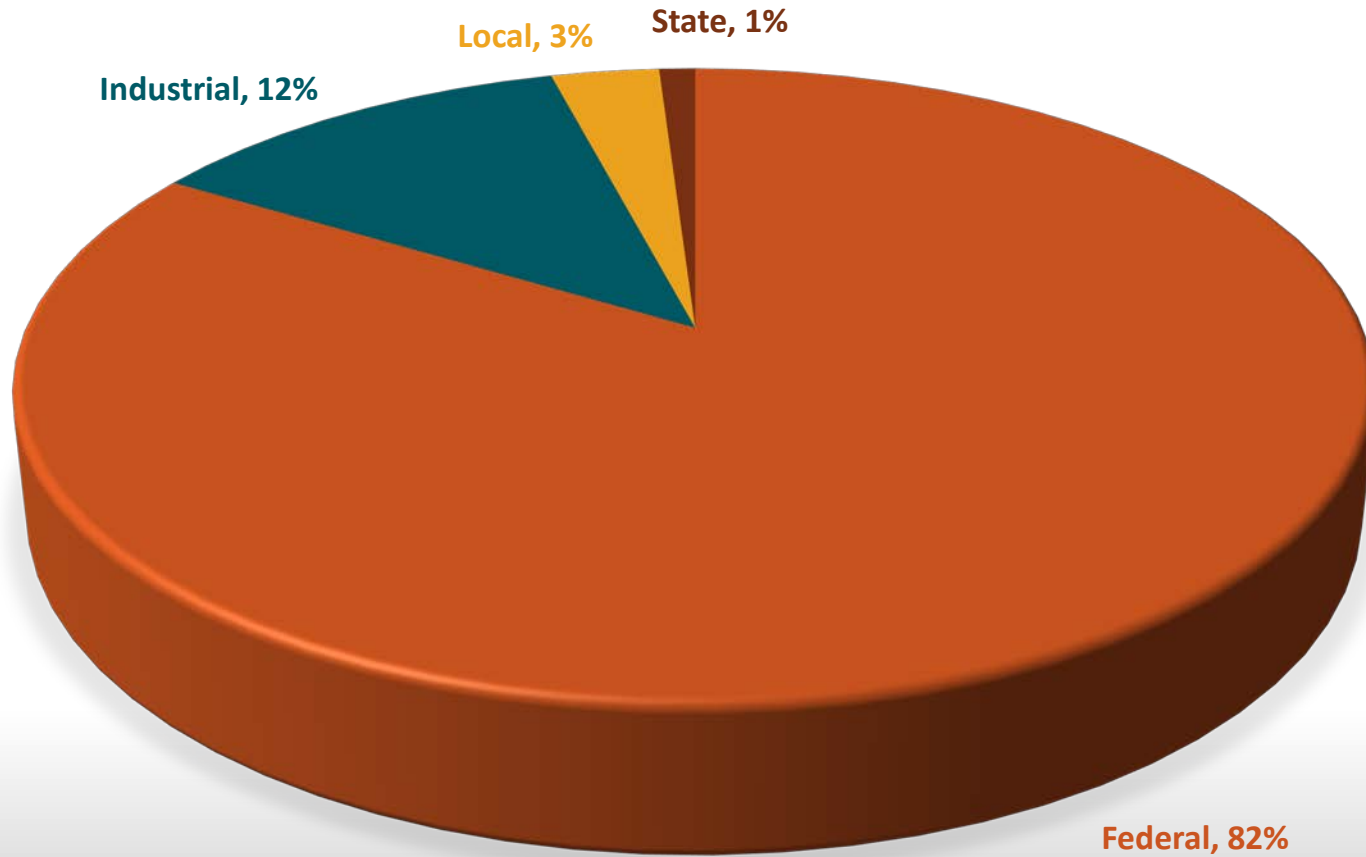
Speed School Research Expenditures (based upon % Collab)



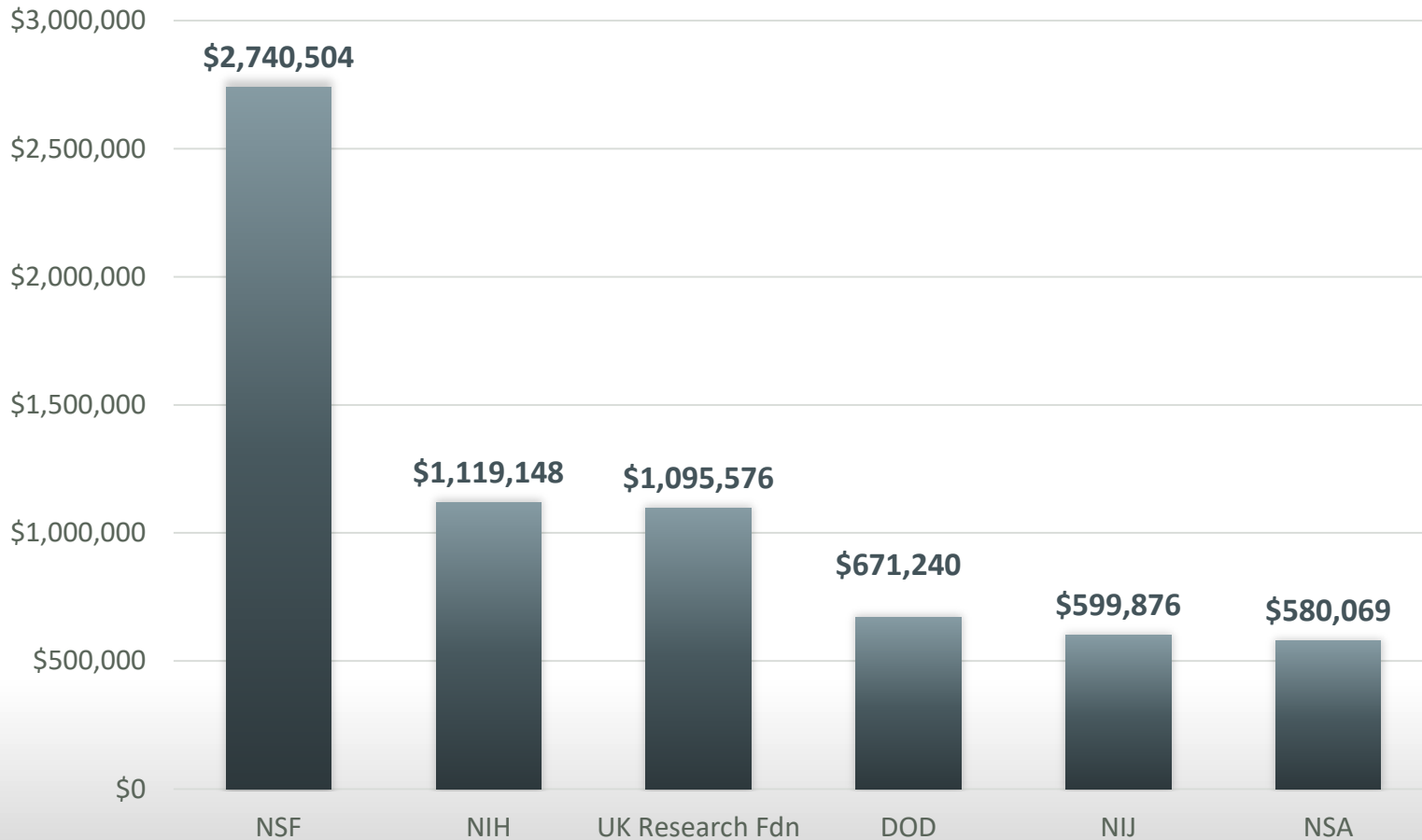
NOTE – These data are reported to USNWR and used to determine our Grad Eng Ranking (25% weight).

Awarded Grants FY18

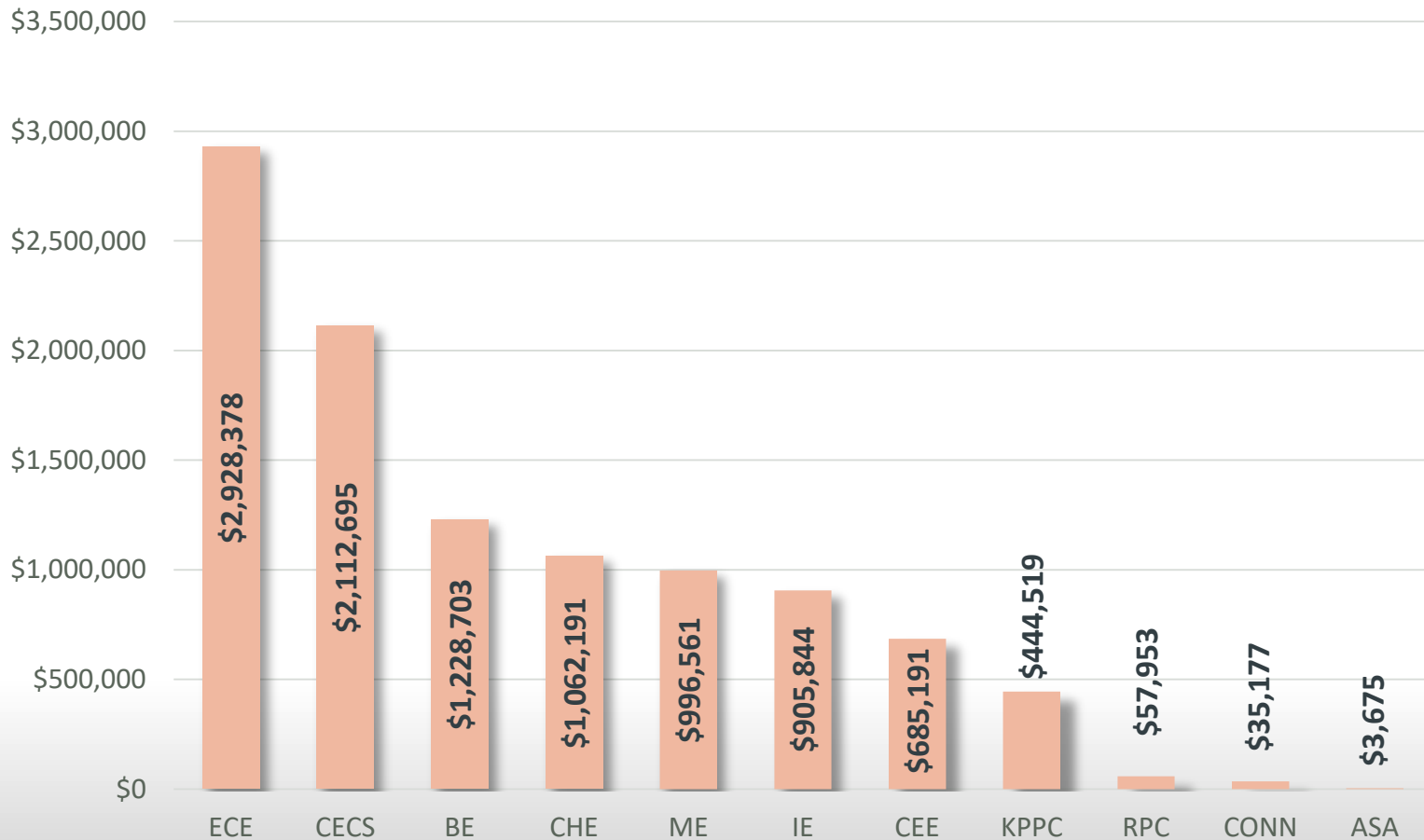
AWARDS BY FUNDING SOURCE (BASED ON PI)



TOP FEDERAL FUNDING SOURCES (BASED ON PI)

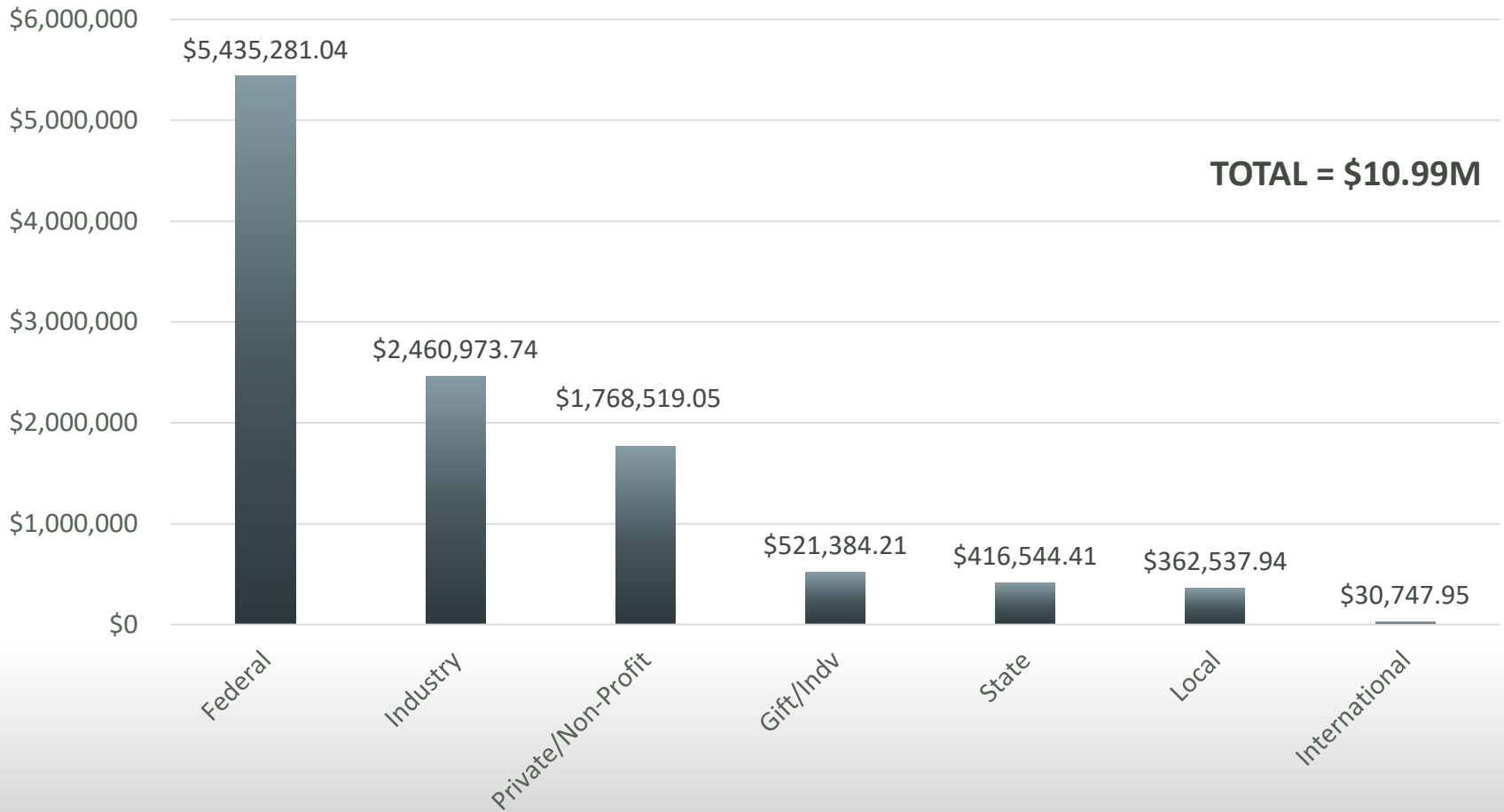


AWARDS BY DEPARTMENT (BASED ON PI)

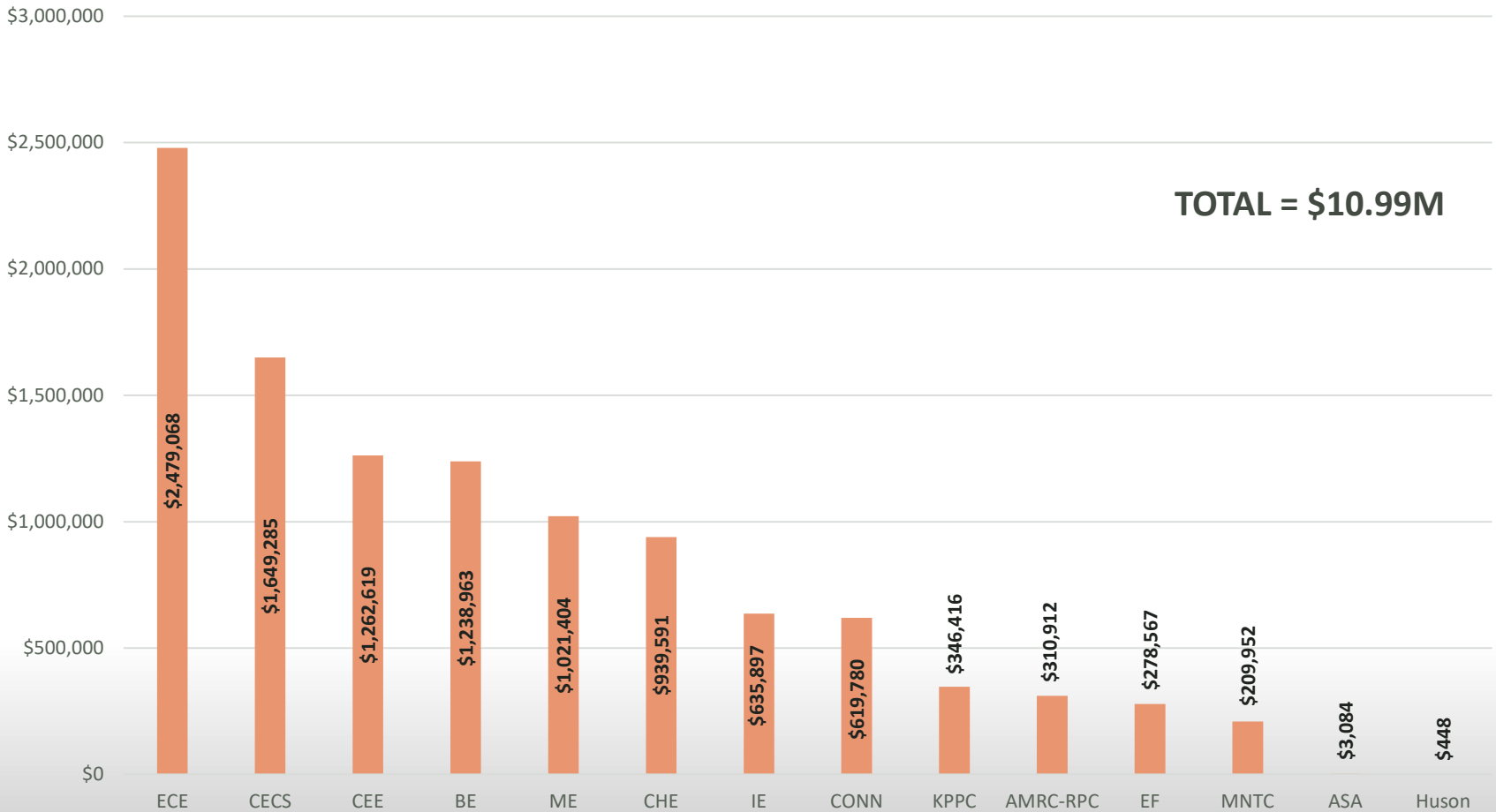


Research Expenditures FY18

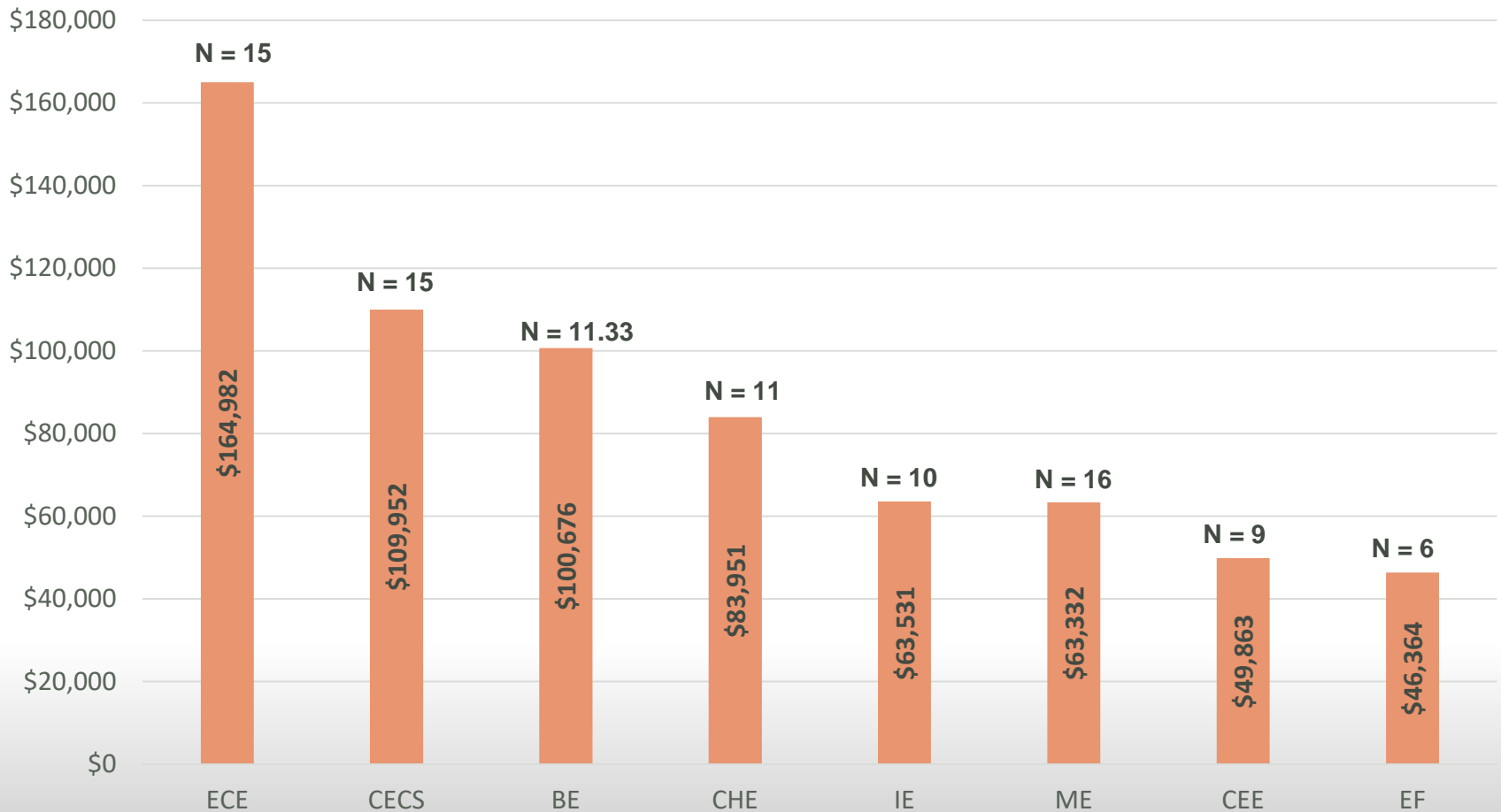
Research Expenditures by Funding Source (based on % Collab)



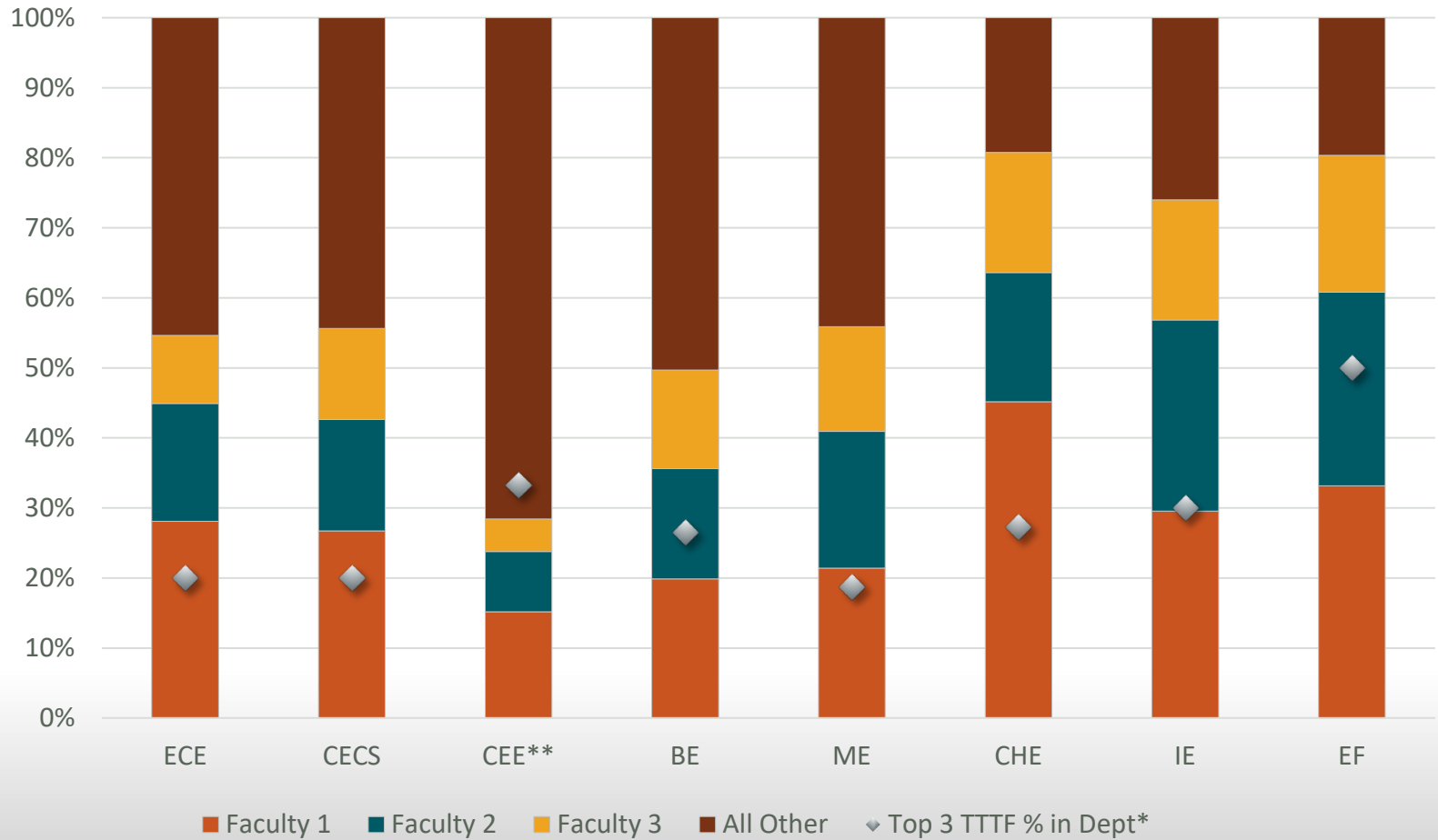
Research Expenditures by Department (based on % Collab)



Averaged by TTT Faculty Research Expenditures per Dept (based on % Collab)



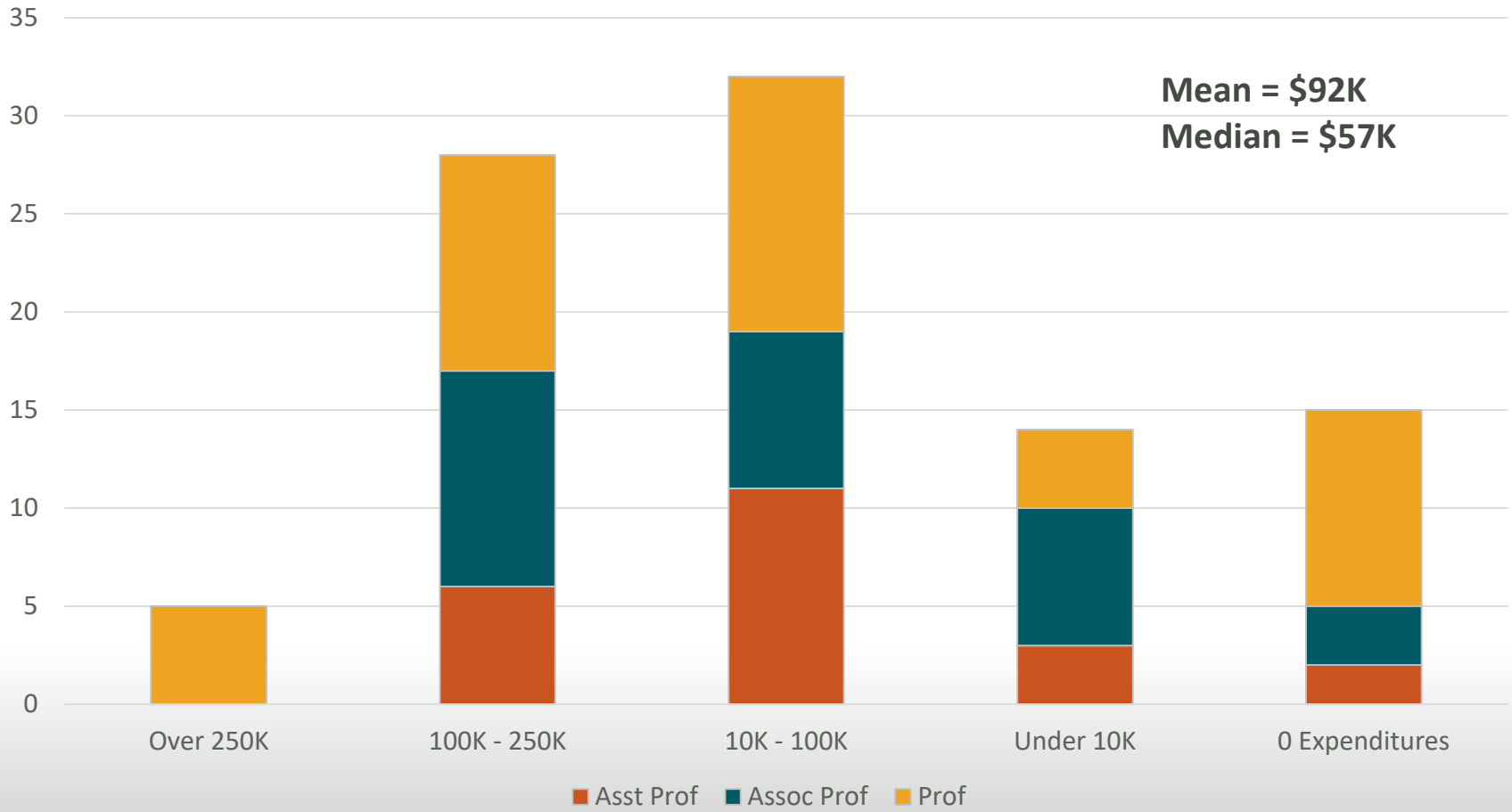
Research Expenditures by Department with Top 3 TTTF Stacked (based on % Collab)



* Represents percent of top 3 faculty for each department. (i.e. 20% of ECE faculty contributed 54% of expenditures.)

** CEE faculty with highest expenditures is term and not listed in this chart.

Distribution of Faculty* by Research Expenditures (based on % Collab)



* Tenured and Tenure Track Faculty