Joseph Roy

SELECTED POSITIONS

2023-present	Chief Data & Technology Officer/Managing Director of Data & Technology Services, American Society for Engineering Education
2018-present	Director of Institutional Research & Analytics, American Society for Engineering Education
2017-2018	Senior Researcher/Senior Program Officer, American Association of University Professors
2014-2017	Linguistic Data Analytics Manager, School of Literatures, Cultures and Linguistics, University of Illinois at Urbana-Champaign
2006	Research Associate, Institute of Demographic and Socioeconomic Research, University of Texas at San Antonio

AFFILIATIONS

2021-present	Research Affiliate, Department of English, University of Texas, San Antonio

SELECTED GRANTS
*Indicates Principal Evaluator

2023-2026	PI: Alexandra Sharpe, Co-PI's Sarah Deleeuw & **Joseph Roy**. Conference: 2024 Personalized Learning Ideas Lab. National Science Foundation, Emerging Frontiers in Research and Innovation Award # 2335705. $435,593
2023-2024	PI: Jaqueline El-Sayed, Co-PIs: Alexandra Sharpe & **Joseph Roy***. 2023-24 Engineering CAREER Proposal Workshop. Engineering Award # 2306501. $303,205.
2022-2023	PI: Alexandra Sharpe. Co-PI: **Joseph Roy***. Conference: 2022 Underwater Ideas Lab. National Science Foundation, Electrical, Communications and Cyber Systems Award # 2230507. $370,988.
2022-2025	PI: **Joseph Roy**. Collaborative Research: The Organizational Climate Challenge: Promoting the Retention of Students from Underrepresented Groups in Doctoral Engineering Programs, National Science Foundation, Human Resource Development Award # 2201103. $178,119

2022-2026	PI: **Joseph Roy**. Collaborative Research: Sustaining and Scaling the impact of the MIDFIELD project at the American Society for Engineering Education. National Science Foundation, Engineering Education & Centers Award #2141903. $281,353.
2020-2024	PI: **Joseph Roy**, Co-PI: Ashok Agrawal. *Profiles of Technical Workforce Programs and Students at Two-Year Colleges*. National Science Foundation, Division of Undergraduate Education (Advanced Technical Education) Award # 2000587. $790,339

SELECTED PUBLICATIONS

Other Publications

2021	**Roy, Joseph.** "COVID-19 and Engineering Education". In *Profiles of Engineering & Engineering Education, 2020*. American Society for Engineering Education.
2020	**Roy, Joseph**. *COVID-19 and its Effect on Graduate Admissions Requirements for Engineering Programs.* American Society for Engineering Education. (https://ira.asee.org/wp-content/uploads/2020/10/Admissions-Survey-Report-Final.pdf)
	Mark Mathews, **Joseph Roy** & Carloyn Wilson, *COVID-19 & Engineering Education: An interim report on the community response to pandemic and racial justice*. American Society for Engineering Education. (https://ira.asee.org/wp-content/uploads/2020/10/COVID-19-Interim-Report-Final_Sept2020.pdf)
2018	Harmon, Oskar, Barbara Hopkins, Robert Kelchen, Joseph Persky and **Joseph Roy**. 2018. Annual Report on the Economic Status of the Profession, 2017-18. *Academe*, 104 (2): 2-10.
	Roy, Joseph. 2018. State Funding of Higher Education and the Underfunding of Public Pensions. *Academe*, 104(2): 14-15.

OUTREACH ACTIVITIES

Selected Media Data Inquiries, Interviews and Legislative Testimony

4 March 2021. Tiku, Nitasha. https://www.washingtonpost.com/technology/2021/03/04/google-hbcu-recruiting/ Google's approach to historically Black schools helps explain why there are few Black engineers in Big Tech. *Washington Post*.

26 October 2019. Dieter Holger. The Struggle to Hire More Minority Engineers. https://www.wsj.com/articles/the-struggle-to-hire-more-minority-engineers-11572091211 *The Wall Street Journal*.

8 May 2018. Committee to Study the Cost and Affordability of Higher Education (A.B. 202, 2017). Topic: Faculty Compensation and Retention. (Media Coverage:

https://www.nevadaappeal.com/news/local/committee-suggests-pay-scale-system-for-university-faculty/)