



SenSIP REU Cite in 2017

CISE-1659871, REU Site: Sensor, Signal and Information Processing (SenSIP) Devices and Algorithms, 2017-2022, PI: A. Spanias, Co-PI J. Blain-Christen. This REU Site recruited 9 students per year to participate in a 9-week research experience on sensors and machine learning. During COVID tears the REU operated in a virtual mode.

Demographics in recruitment have been exceptional with regard to diversity. More than 40% of the participants were female in all years. In each year, we had more than 70 applicants and our acceptance was approximately 10-12%. Participants included African Americans, Hispanic, and Veterans. Detailed statistics given in Table below. The details on participants were provided in annual reports. **Publications:** Approximately 30% of the participants became co-authors on conference papers. Three of our students were co-authors on patent disclosures. **Independent Evaluation:** We received evaluation reports for 2017, 2018, 2019, 2021 and 2022. Evaluations highlighted strong diversity, satisfaction with mentorship, increased confidence in the research area, and strong interest in graduate studies.

Details on SenSIP REU 2017-2022 Demographics

Profile / Year	2017 (9)	2018 (9)	2019 (10)	2020 (0)	2021(7)	2022(5)
White	23%	33%	40%	N/A covid	57%	20%
Hispanic Latino	22%	23%	20%	N/A covid	29%	20%
Asian	33%	33%	10%	N/A covid	0	60%
African American	11%	11%	10%	N/A covid	14%	0%
Mixed Race	11%	0	10%	N/A covid	0	0%
Female	44%	67%	60%	N/A covid	43%	40%
Veteran	22%	11%	10%	N/A covid	14%	0%
Disability	11%	0%	10%	N/A covid	14%	20%