

CELEBRATING A CENTURY OF PUBLIC SERVICE THROUGH ENGINEERING

As we usher in the beginning of a new year, New Jersey Institute of Technology will mark the 100th anniversary of the Newark College of Engineering (NCE). The cover story of this issue commemorates the numerous achievements of the past century and the illustrious women and men who have contributed to NCE's remarkable trajectory throughout the years, from its beginnings in 1885 as Newark Technical School to one of the most highly regarded public polytechnic universities in the nation.

The other feature articles in this issue demonstrate how NJIT has continued to evolve while remaining true to its mission and its history.

Last March, New Jersey Governor Philip Murphy announced plans for a New Jersey Apprenticeship Network and, following a trip to Germany and Israel in October, launched a \$4.5 million apprenticeship grant program supporting the state's high-demand industries. He did so because he recognized a marketplace need that we, at NJIT, also have identified and are addressing — the incredible demand for professionals who possess hands-on experience in technical professions. That's why NJIT has launched a School of Applied Engineering and Technology (SAET), which was unveiled Nov. 9, 2018 in the NJIT Makerspace, where students engage in hands-on, project-based learning complemented by training on industrial equipment that provides experience with modern manufacturing technology. Through this school, we are creating more opportunities for our existing students and future students, both freshmen and transfers, who will benefit from partnerships with community colleges. SAET also will develop new methods and pedagogy for the future of engineering and technical education to prepare students for industrial careers.

As we continue to address industry needs nationally, NJIT is expanding its global reach. Over the past few years, the university has signed agreements with more than 30 universities around the world, from Israel, to Ireland, to Italy, in order to support student and faculty exchanges and joint research. These relationships are explicit priorities in *2020 Vision*, NJIT's strategic plan, which calls for "international collaborative research and exchange programs ... to promote innovative scholarship, global leadership and visibility." As NJIT's presence abroad grows, so do its international rankings. NJIT was one of only three New Jersey universities named to *U.S. News & World Report's* 2018 Best Global Universities list, joining Princeton and Rutgers.

I hope you enjoy reading the articles in this issue, and I welcome your feedback. ■

