

**A MESSAGE FROM
NJIT PRESIDENT JOEL S. BLOOM**

WOMEN IN STEM

Two decades ago, NJIT embarked on a critically important experiment — the goal of which, as set forth by Albert Dorman '45, was to create a technology-rich educational environment where the nation's most talented people could reach their full intellectual potential. Since its inception, the Albert Dorman Honors College has been a pillar of NJIT's ongoing commitment to academic excellence. This issue's cover depicts a night-time view of the Honors College and Warren Street Village, a dynamic environment where our vibrant community of students, alumni, faculty, staff and industry stakeholders collaborate on transformative solutions to issues affecting 21st-century society.

As outlined in NJIT's strategic plan *2020 Vision*, we recognize the need to focus on inclusion and diversity for the improvement of our university. The features in this issue highlight three members of the NJIT faculty who, in addition to groundbreaking research in their respective fields, are role models for women who are pursuing careers in the STEM fields. "Capturing Carbon for Posterity and Profit" describes how Assistant Professor of Industrial Engineering Selina Cai is developing models for carbon capture and storage that have important implications for pollution control. Zeynep Çelik, who has joint appointments in the College of Science and Liberal Arts and the College of Architecture and Design, is exploring the relationship among politics, social issues and built forms in "Buildings and Meanings." And, Assistant Professor of Biological Sciences Brooke Flammang, who joined our faculty in 2014, is taking a multidisciplinary look at nature's marine propulsion systems and is serving as an advocate for motivating more young women to pursue STEM careers in "Locomotion in the Ocean."

Also included in this issue is an expanded "Giving" section, which provides highlights of the events that took place during the past fall and winter, including the Life Sciences and Engineering Building Groundbreaking Ceremony, the first annual President's Forum and Faculty Research Showcase, and the Wellness and Events Center Groundbreaking Ceremony, during which we announced the extension of the NJIT NEXT Campaign. You can read more about "what's next" for the NJIT NEXT capital campaign on page 11.

I encourage your review of these articles and welcome your feedback.



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Cover photo: NJIT's Albert Dorman Honors College and Warren Street Village are a vibrant presence within the university community.