

EXECUTIVE SUMMARY

A MESSAGE FROM NJIT PRESIDENT JOEL S. BLOOM

GOING FORWARD

Throughout its history, NJIT has looked ahead to a positive future made possible by a growing spectrum of scientific and technological disciplines, a future realized through the talents of faculty, students, staff and alumni.

At times, going forward means applying science and technology to repair and rebuild in the aftermath of events that adversely affect millions of people. As reported in this issue, NJIT's College of Architecture and Design has initiated a program that will provide political leaders, business owners and residents in areas hard-hit by Hurricane Sandy with leading-edge expertise for rebuilding today and reducing the toll taken by such fierce storms in years to come through "resilient design."

Moving forward in 2013 also requires taking a broader and more comprehensive look at how we relate to our environment for the sake of health and long-term sustainability. "Storms, Animals and Smarter Buildings" describes the work of three NJIT researchers who are seeking new basic knowledge and practical solutions on these frontiers.

In recent decades, the transformational power of technology has provided new tools for artistic expression and created employment opportunities for individuals skilled with these tools in industries worth billions of dollars. "Art and Technology Intersect" highlights programs at NJIT that prepare students for the technical careers that underpin stage and film productions, and which are the foundation of increasingly diverse work in the world of digital media. These programs, offered by the College of Science and Liberal Arts and the School of Art+Design, move NJIT forward among technological institutions in giving students significantly more options for building personally fulfilling careers.

All of these advances in education, research and its applications require substantial investment, support that must be secured in today's challenging economic climate. This issue also reports on the continuing success of NJIT NEXT, the most ambitious and critically important fundraising campaign in the university's history. NJIT NEXT is helping to increase scholarships, fellowships and named faculty chairs, and enhance campus life with facilities that an exceptionally talented student body and world-class faculty must have to go forward toward a better future for the Newark community, the State of New Jersey and the nation.



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