



NJIT™

New Jersey's Science &
Technology University

ON THE FRONTIERS OF LEARNING:

Educational Advances at the Edge at NJIT

- **Eliza Michalopoulou** is developing a new educational program for undergraduates that combines mathematics with scientific computation and modeling, techniques she applies in her own research. Her work, funded in part by the National Science Foundation and the Office of Naval Research, exposes students to oceanic research with applications to determining the location of submarines and whales, the earth's changing climate, and sources of environmental pollution.
- Other educational initiatives at NJIT:
 - **William C. Hunter** directs an intensive, ten week, NSF and NIH supported summer program to introduce students to the field of BioMEMS. The initiative is designed to attract more students to the rapidly rising fields of bioengineering and bioinformatics.
 - **Amitabha Bose**, whose research specialization is mathematical neurosciences, leads an undergraduate biology and mathematics training program with NSF support that prepares students to do research at the interface of mathematics and biology.
 - **Bruce Bukiet** is leading Teacher Education Collaboration for High-Need Schools, a new initiative to recruit and educate top quality teachers of science and mathematics for schools in the City of Newark, New Jersey's largest urban school system.

Learn more about NJIT's innovative educational programs in science and technology at: academics.njit.edu



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