

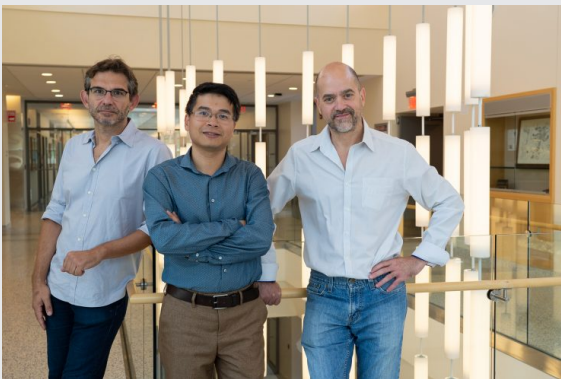
NATIONAL SCIENCE FOUNDATION

STONY BROOK UNIVERSITY urges Congress to provide at least \$9 billion for the National Science Foundation in FY20.

The National Science Foundation is the cornerstone of America's basic research enterprise. NSF is committed to the high-risk, fundamental, interdisciplinary, and ground-breaking research and education needed to ensure that the U.S. remains competitive in the decades ahead. NSF competitively awards grants to support research and education, as well as scientific equipment & infrastructure. NSF is a leader among federal agencies in its support of science, technology, engineering, and math (STEM) education.

Highlights from SBU'S NSF Funded Research:

- Build the foundation for a future smart environment—developing technology to control and interact with all of the objects around us
- Developing technologies that provide deeper insights as to how malware distribution systems are deployed, operated and interlinked with open web sources in order to defeat cybercriminals
- Developing the next-generation visual and decision support tools harnessing Big Data



(L-R): Dimitris Samaras, Minh Hoai Nguyen and Gregory Zelinsky

Using a method called inverse reinforcement learning to model human behavior and predict visual attention — NSF funded Stony Brook researchers Dimitris Samaras, Minh Hoai Nguyen and Gregory Zelinsky explore patterns in human eye movement so that a computational system can hopefully anticipate responses to certain stimuli. The result would allow a machine to anticipate your next move!

NSF provides funding for discovery, learning, innovation, and research infrastructure to strengthen U.S. leadership and competitiveness in science, technology, engineering, and educational research.