



NEW YORK INSTITUTE OF TECHNOLOGY

*The Office of Academic Affairs of the New York Institute of Technology
is pleased to announce the award of twenty-seven competitive
Institutional Support of Research and Creativity Grants and
Teaching and Learning with Technology Grants
to the following NYIT faculty members in 2011
in support of their research and other creative endeavors:*

- Matthias Altwicker, B.Arch.**, Associate Professor, Architecture. *Smart Space: Affordable Housing Design-Build for Long Island*. ISRC Grant: \$3,344.
- Stephen Barone, Ph.D.**, Professor, Electrical Engineering and Computer Science. *Electromagnetic Conservation Laws and Macroscopic Determinism*. ISRC Grant: \$6,689.
- Dolores Burton, Ed.D.**, Associate Professor, Education; Chair, Teacher Education. *Teaching Mathematics to All Students: A Multimedia Approach*. ISRC Grant: \$4,474.
- Qing Chang, Ph.D.**, Assistant Professor, Mechanical Engineering. *Modeling of Quality Control and Management System for Battery Manufacturing*. ISRC Grant: \$4,459.
- Michael Colef, Ph.D.**, Associate Professor, Electrical Engineering and Telecommunications. *FPGA Implementation of Zoom-In-A-Region-Of-Interest Algorithms for Smart Handheld Devices with Applications in Healthcare*. ISRC Grant: \$6,689.
- Elizabeth Donaldson, Ph.D.**, Associate Professor, English; Chairperson, Interdisciplinary Studies. *Avatar, Neuroprosthesis, and the Death of the Disabled/Human Body*. ISRC Grant: \$3,344.
- Claude Gagna, Ph.D.**, Associate Professor, Life Sciences. *Standardization (Commercialization) of the Novel Multistranded, Alternative and Helical Transitional DNA and RNA Microarrays Using Modern Conventional Instrumentation*. ISRC Grant: \$11,200.
- Jonathan Goldman, Ph.D.**, Assistant Professor, English. *Puerto Rican Literature in the United States, 1900-1950*. ISRC Grant: \$6,989.
- Jennifer Griffiths, Ph.D.**, Assistant Professor, English. *And Along Came a Spider: Contemporary Literature and Childhood in the Danger Zone*. ISRC Grant: \$6,689.
- Huanying Gu, Ph.D.**, Associate Professor, Computer Science. *Questionable Relationship Triples in the UMLS*. ISRC Grant: \$3,344.
- Mindy Haar, B.A., M.S.**, Director, Didactic Program in Dietetics; Instructor, Clinical Nutrition. *Course and Student-Related Factors Associated with Perception of Community in Health-Related Professions Coursework*. ISRC Grant: \$3,344.
- John Handrakis, P.T., Ed.D.**, Assistant Professor, Physical Therapy. *Use of Standardized Patients and Video Feedback to Enhance Physical Therapy Student Clinical Performance*. TLT Grant: \$1,360.
- David Hogsette, Ph.D.**, Associate Professor, English. *Mythopoeic Voice of Reason: The Providential Purpose of Suffering and the Logic of Fantasy*. ISRC Grant: \$6,689.
- Tobias Holler, M.Arch.**, Assistant Professor, Architecture and Technology. *BuckyFarm: Suburban Agriculture 2.0*. ISRC Grant: \$11,717.
- Youjeong Kim, Ph.D.**, Assistant Professor, Communication Arts. *The Promotion of Real-Life Behavioral Change through Mindful Virtual Engagement*. ISRC Grant: \$5,930.
- Marianne Land, Ph.D.**, Assistant Professor, Life Sciences. *Identification and Analysis of Protein Kinase C-2 Substrates and Pathways*. ISRC Grant: \$5,000.
- Jong Beom Lee, Ph.D.**, Assistant Professor, Mechanical Engineering. *Age-Dependent Material Characterization of the Adolescent Abdominal Organs*. ISRC Grant: \$5,017.

Steven Zhiyun Lu, Ph.D., Chairperson, Professor, Mechanical Engineering. *A New Fractional-Step Algorithm for Solving Unsteady Viscous Flow at High Reynolds Number*. ISRC Grant: \$4,459.

Charles Matz, B.Arch., A.I.A., Assistant Professor, Interior Design. *Seminal High Definition Laser Scan Surveying, via Point-Cloud Mapping, of At-Risk Upper Egyptian and Nubian, Architecturally and Culturally Significant Archeological Sites*. ISRC Grant: \$5,807.

Niharika Nath, Ph.D., Associate Professor, Life Sciences. *Molecular Targets of Nitric Oxide-Donating Compounds: Implications in Cancer Prevention*. ISRC Grant: \$6,100.

Jungho Park, Ph.D., Assistant Professor, Mathematics. *Theoretical and Computational Studies in Geophysical Fluid Dynamics*. ISRC Grant: \$6,939.

Ana Petrović, Ph.D., Assistant Professor, Life Sciences. *Helical-Sense Programming via Bis-Porphyrin Handles*. ISRC Grant: \$3,530.

Nader Vossoughian, Ph.D., Assistant Professor, Architecture. *Margarete Schütte-Lihotzky and Vienna's Mass Squatter Movement*. ISRC Grant: \$3,344.

Joo-Kwang Yun, Ph.D., Associate Professor, Management. *An Evaluation of Earnings Restatements in the Pre- and Post-Sarbanes-Oxley Periods: Discretionary Accruals Approach*. ISRC Grant: \$3,680.

Frank Zeman, Eng.Sc.D., Director, Center for Metropolitan Sustainability; Assistant Professor, Energy Management. *Lime Hydration with High Partial Pressure Steam*. ISRC Grant: \$4,234.

Jueman Zhang, Ph.D., Assistant Professor, Communication Arts. *Use Multiplatform Media to Improve Health Literacy: The Effects of Rich Media Contents and Information Delivery Platform on Sex and Drinking*. ISRC Grant: \$6,596.

Tao Zhang, Ph.D., Assistant Professor, Computer Science and Electrical and Computer Engineering. *Capacity of Large-Scale Wireless Networks*. ISRC Grant: \$6,689.