



NEW YORK INSTITUTE OF TECHNOLOGY

*The Office of Academic Affairs of the New York Institute of Technology  
is pleased to announce the award of thirty-eight competitive  
Institutional Support of Research and Creativity Grants and  
Teaching and Learning with Technology Grants  
to the following forty NYIT faculty members in 2010  
in support of their research and other creative endeavors:*

**Zehra Ahmed, B.S., P.A., M.B.B.S.**, Assistant Professor, Physician Assistant Studies. *Evaluation of Mothers Providing Care Program and its Effectiveness in Reducing Maternal Morbidity and Mortality in Ghana.* ISRC Grant: \$6,324.

**Matthias Altwicker, B.Arch.**, Associate Professor, Architecture. *Long Island Scan: Microinfrastructure and Situational Zoning.* ISRC Grant: \$5,300.

**Maureen Cardoza, B.S., M.S.**, Instructor, Nursing (with **Patrice Hood, B.S., M.S., D.N.P.**, Assistant Professor, Nursing). *Evaluation and Outcomes of a 2 Year Nursing Pediatric Simulation Comparative Study.* ISRC Grant: \$10,146.

**Qing Chang, Ph.D.**, Assistant Professor, Mechanical Engineering. *Vehicle Li-Ion Battery Remanufacturing System Modeling.* ISRC Grant: \$4,457.

**Michael Colef, Ph.D.**, Associate Professor, Electrical Engineering and Telecommunications. *Hardware Implementation of an Image Downscaling Algorithm with Applications in Medical Monitoring Systems.* ISRC Grant: \$6,456.

**Farshid Delgosh, Ph.D.**, Assistant Professor, Electrical Engineering and Computer Science. *Multivariate Cryptography for Body Area Networks.* ISRC Grant: \$6,456.

**Rohit Dua, Ph.D.**, Assistant Professor, Electrical and Computer Engineering. *Sensing Applications using Applied Computational Intelligence Techniques.* ISRC Grant: \$3,228.

**Minaz Fazal, Ph.D.**, Assistant Professor, Education. *Assessing ePortfolio Implementation.* ISRC Grant: \$3,556.

**Jonathan Friedman, B.Arch., M.Arch., Dipl.Arch., R.A.**, Professor, Architecture. *Form in Mind: An Exhibition and Catalogue of Architectural Research.* TLT Grant: \$6,079.

**Claude Gagna, Ph.D.**, Associate Professor, Life Sciences. *Enhancing the Immobilization of DNA-Protein Complexes to Novel Substrate Surfaces.* ISRC Grant: \$9,755.

**Jonathan Goldman, Ph.D.**, Assistant Professor, English. *Boricua Modernism: Puerto Rican Literature in the United States, 1900-1950.* ISRC Grant: \$3,228.

**Ellen Greer, Ph.D., O.T.R./L.**, Assistant Professor, Occupational Therapy (with **Susan Neville, Ph.D.**, Chairperson, Associate Professor of Nursing). *The Impact of Breast Cancer Treatment on the Meaning of Occupational Patterns in the Lifeworld of Women Who Return to Paid and Unpaid Work.* ISRC Grant: \$5,020.

**Huanying Gu, Ph.D.**, Associate Professor, Computer Science. *A Study of Terminology Auditors' Performance for UMLS Semantic Type Assignment.* ISRC Grant: \$3,228.

**Mindy Haar, B.A., M.S.**, Director, Didactic Program in Dietetics. *Student Perception of Community in Online Health Science Courses.* ISRC Grant: \$3,381.

**David Hogsette, Ph.D.**, Associate Professor, English. *Fantasy Literature and the Mythopoeic Voice of Reason: Exploring the Ethics of Elfland.* ISRC Grant: \$6,456.

**Tobias Holler, M.Arch.**, Assistant Professor, Architecture and Technology. *Biomimicry in Practice: A Regenerative Approach to Climate Responsive Architectural Design.* ISRC Grant: \$5,853.

**Tom Jacobs, Ph.D.**, Assistant Professor, English. [Untitled]. ISRC Grant: \$3,228.

**Ronit Kahana-Kalman, Ph.D.**, Assistant Professor, Behavioral Sciences. *Relations between Emotional Self Regulation, Attention and Social Skills among Low-Income, Ethnically Diverse Preschoolers*. ISRC Grant: \$4,304.

**Barbu Kestenband, Ph.D.**, Professor, Mathematics. *The Generalized Addendum to J. Singer's Theorem*. ISRC Grant: \$3,228.

**Maya Kroumova, Ph.D.**, Associate Professor, Management. *Flexible Working Practices*. ISRC Grant: \$3,228.

**Marianne Land, Ph.D.**, Assistant Professor, Life Sciences. *Elucidation of the Protein Kinase C-2 Pathway in Caenorhabditis elegans*. ISRC Grant: \$5,537.

**Jong Beom Lee, Ph.D.**, Assistant Professor, Mechanical Engineering. *Material Characterization of the Bony Skeleton of the Knee-Thigh-Hip (KTH) Complex in Adolescent*. ISRC Grant: \$4,764.

**Allan William Martin, B.A., M.Arch.**, Assistant Professor, Architecture. *Software Platform for Performative Architectural Design*. ISRC Grant: \$6,956.

**Charles Matz, B.Arch., A.I.A.**, Assistant Professor, Interior Design. *The Use of Information Technologies, Digital Document Production and Management System Interoperability within the Context of a Theoretical Architectural Design Studio Project*. TLT Grant: \$3,496.

**Sarah Meyland, B.A., B.S., M.S., J.D.**, Associate Professor, Environmental Technology. *Oworobong Water Project*. ISRC Grant: \$10,468.

**Ali Mir, B.Eng., M.B.A., Ph.D.**, Professor, Management and Marketing. *Contingent Employment and Labor Reform in a Globalizing World: The Case of India*. ISRC Grant: \$6,456.

**Terry Nauheim Goodman, B.F.A., M.F.A.**, Assistant Professor, Fine Arts. *Propagation Seems Good Here Tonight*. ISRC Grant: \$4,307.

**Erin O'Keefe, B.F.A., M.Arch.**, Associate Professor, Architecture. *The Red Bench Project*. ISRC Grant: \$6,675.

**Jungho Park, Ph.D.**, Assistant Professor, Mathematics. *Theoretical and Computational Studies in Geophysical Fluid Dynamics*. ISRC Grant: \$3,228.

**Roger Roots, J.D., Ph.D.**, Assistant Professor, Behavioral Sciences. *The Fourth Amendment Exclusionary Rule among U.S. Founding Era Libraries*. ISRC Grant: \$3,228.

**Ranja Roy, Ph.D.**, Associate Professor, Mathematics. *A Note on Stallings' Group*. ISRC Grant: \$3,228.

**Lisa Runco, Ph.D.**, Assistant Professor, Life Sciences. *Identification of Novel Drug Targets to Inhibit Type 1 Pili Expression in E. coli*. ISRC Grant: \$9,165.

**Oren Shtayermman, M.S.W., Ph.D.**, Chairperson, Interdisciplinary Health Sciences; Program Director, Mental Health Counseling. *Distal and Proximal Risk Factors for Suicidal Ideation in Adolescents and Young Adults Attending College: A Longitudinal Study - Waves 3-4*. ISRC Grant: \$10,500.

**Rozina Vavetsi, B.A., M.S.**, Assistant Professor, Fine Arts. *Exposing the Underworld of Graphic Design*. ISRC Grant: \$3,228.

**Corri Wolf, B.S., M.S.**, Assistant Professor, Physician Assistant Studies. *Obesity and Diverticulitis: The Relationship between Body Mass Index and Disease Location, Recurrence and Complications*. ISRC Grant: \$3,228.

**Frank Zeman, Eng.Sc.D.**, Director, Center for Metropolitan Sustainability; Assistant Professor, Energy Management. *Low Cost Renewable Energy Storage Using Lime*. ISRC Grant: \$4,808.

**Jueman Zhang, Ph.D.**, Assistant Professor, Communication Arts. *The Power of Statistics versus Stories: An Experiment on the Effects of Fear Appeals in Online HIV/AIDS PSAs*. ISRC Grant: \$6,221.

**Tao Zhang, Ph.D.**, Assistant Professor, Computer Science and Electrical and Computer Engineering. *Topology Control for Wireless Mesh Networks*. ISRC Grant: \$6,456.