



NEW YORK INSTITUTE OF TECHNOLOGY

ANNOUNCEMENT OF 2014 AWARDS
Institutional Support of Research and Creativity Grants
Teaching and Learning with Technology Grants

The Office of Academic Affairs of the New York Institute of Technology is pleased to announce the award of twenty-three competitive *Institutional Support of Research and Creativity Grants* and *Teaching and Learning with Technology Grants* to the following NYIT faculty members in 2014, in support of research and creative endeavors:

Beth E. Adubato, Ph.D., Assistant Professor, Behavioral Sciences; Principal Investigator
ISRC Grant: *Nowhere to Go But Back (Book Project)*.

Carol A. Dahir, Ed.D., Professor and Chairperson, School Counseling; Principal Investigator
Youjeong Kim, Ph.D., Assistant Professor, Communication Arts; Co-Principal Investigator
Hossein Kashani, M.S., Associate Professor, Electrical Engineering Technology; Co-Principal Investigator
ISRC Grant: *Using Avatar Applications and Virtual Reality to Empower K-12 Students' Problem Solving*.

Ziqian (Cecilia) Dong, Ph.D., Assistant Professor, Electrical and Computer Engineering; Principal Investigator
Ely Rabin, Ph.D., Assistant Professor, Biomedical Sciences; Co-Principal Investigator
Huanying (Helen) Gu, Ph.D., Associate Professor, Electrical and Computer Engineering; Co-Principal Investigator
ISRC Grant: *Body Area Sensor Network for Nonintrusive Freezing-Of-Gait Study of Individuals with Parkinson's Disease*.

Aydin Farajidavar, Ph.D., Assistant Professor, Electrical and Computer Engineering; Principal Investigator
ISRC Grant: *A Multi-Channel Implantable System for Monitoring Gastric Electrical Activities*.

Mathew P. Ford, M.Arch., RA, Assistant Professor, Architecture; Principal Investigator
Gail E. Linsenbard, Ph.D., Assistant Professor, Social Sciences; Co-Principal Investigator
TLT Grant: *Philosophy of Technology in the Built Environment*.

Claude E. Gagna, Ph.D., Associate Professor, Life Sciences; Principal Investigator
ISRC Grant: *Finalization of Pre-Manufacturing Procedures Needed for Commercialization of the Next Generation of DNA Microarrays (Gagna/NYIT Patent), Using Modern/Mainstream Fabrication Methods: Data Resulting in Prototypes and Submission of Small Business Technology Transfer Grant (Arrayit Corp/NYIT: Small Business Agreement)*.

Paolo Gasti, Ph.D., Assistant Professor, Computer Science; Principal Investigator
Kiran S. Balagani, Ph.D., Assistant Professor, Computer Science; Co-Principal Investigator
Chung Hyuk Park, Ph.D., Assistant Professor, Electrical and Computer Engineering; Co-Principal Investigator
ISRC Grant: *Privacy-Preserving User Authentication Using 3-D Haptic Interactions*.

Jonathan E. Goldman, Ph.D., Associate Professor, English; Principal Investigator
ISRC Grant: *New Interdisciplinary Directions in James Joyce Studies*.

Jennifer L. Griffiths, Ph.D., Associate Professor, English; Principal Investigator
ISRC Grant: *I Would Still Plant My Apple Tree: Resiliency and African American Youth in the Late Twentieth Century*.

Michael Hadjiargyrou, Ph.D., Professor and Chairperson, Life Sciences; Principal Investigator
ISRC Grant: *Profiling of miRNA Expression During Fracture Repair.*

Fang Li, Ph.D., Assistant Professor, Mechanical Engineering; Principal Investigator
Tao Zhang, Ph.D., Associate Professor, Electrical and Computer Engineering; Co-Principal Investigator
ISRC Grant: *Low Frequency Piezoelectric Energy Harvester for Wireless Body Area Networks.*

Jim Martinez, Ph.D., Assistant Professor, Instructional Technology; Principal Investigator
ISRC Grant: *Service Learning and Creating Zones of Proximal Development for STEAM (Science, Technology, Engineering, Arts, Math) Learning.*

Gavin P. McStay, Ph.D., Assistant Professor, Life Sciences; Principal Investigator
ISRC Grant: *Creation of a Degron for Controllable Mitochondrial Protein Expression.*

Richard A. Meyers, M.S.E.E., Associate Professor, Electrical and Computer Engineering Technology; Principal Investigator
ISRC Grant: *Idiomatic Programming: A Methodology for Developing Source Code.*

Rakesh Mittal, Ph.D., Assistant Professor, Human Resource Studies; Principal Investigator
Birasnav Muthuraj, Ph.D., Visiting Assistant Professor, Management; Co-Principal Investigator
ISRC Grant: *Impact of Transformational and Transactional Leadership on the Buyer-Supplier Relationship in a Supply Chain: An Empirical Study.*

Christopher M. Moylan, Ph.D., Associate Professor, English; Principal Investigator
Anjum Razzaque, Ph.D., Assistant Professor, Management Information Systems; Co-Principal Investigator
ISRC Grant: *Electronic Student Evaluation of Teaching (e-SET) and Student Profiles: A Study of Cultural Background and Learning Style in Assessment of University.*

Niharika Nath, Ph.D., Associate Professor, Life Sciences; Principal Investigator
ISRC Grant: *Novel Aspirins Modulate NMDA Receptors and the Wnt/ β -catenin Pathway: Implications in Mood-Disorders, Chronic Stress and Neurodegenerative Disorders.*

Terry Nauheim, M.F.A., Associate Professor and Chairperson, Fine Arts; Principal Investigator
Ann Aptaker, M.F.A., Adjunct Professor, Fine Arts; Co-Principal Investigator
ISRC Grant: *Lumen Art Prize for Digital Art Exhibition.*

Chung Hyuk Park, Ph.D., Assistant Professor, Electrical and Computer Engineering; Principal Investigator
ISRC Grant: *Therapeutic Robotic System for Children with Autism through Music-based Emotional and Social Interaction.*

Ana G. Petrović, Ph.D., Assistant Professor, Life Sciences; Principal Investigator
Youjeong Kim, Ph.D., Assistant Professor, Communication Arts; Co-Principal Investigator
Yuko Oda, M.F.A., Associate Professor, Fine Arts; Co-Principal Investigator
ISRC Grant: *Science & Art Behind Homo-Chiral Crystal Growth.*



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James J. Scire Jr., Ph.D., Assistant Professor, Mechanical Engineering; Principal Investigator
ISRC Grant: *Digital Holography for the Study of Droplets and Sprays.*

Megyn L. Shea, Ph.D., Assistant Professor, School Counseling; Principal Investigator
TLT Grant: *Development of an Interactive Online Video Supervision Training Program.*

Nader Vossoughian, Ph.D., Associate Professor, Architecture; Principal Investigator
Jan Greben, B.Arch., M.S., Adjunct Professor, Architecture; Co-Principal Investigator
ISRC Grant: *E.1027 to Tempe à Pailla: Collaboration to Independence in the Work of Eileen Gray.*