



ANNOUNCEMENT OF 2019 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 2019, in support of research and creative endeavors:

Reza K. Amineh, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
Ziqian Dong, Ph.D., Associate Professor, Computer Science, Co-Principal Investigator
David Nadler, Ph.D., Assistant Professor and Chairperson, Environmental Technology & Sustainability, Co-Principal Investigator
ISRC Grant: *Material Characterization Based on a Microwave Sensor Array: Application to Water Quality Sensing.*

Ahmadreza Baghaie, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
Eduardo Corona, Ph.D., Assistant Professor, Mathematics, Co-Principal Investigator
ISRC Grant: *Refraction Induced Error Quantification in Particle Image Velocimetry.*

Batu K. Chalise, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
ISRC Grant: *Physical Layer Fingerprinting for Joint Radar-Communications Platform.*

Eduardo Corona, Ph.D., Assistant Professor, Mathematics, Principal Investigator
ISRC Grant: *Efficient Time Integration Methods for Dense Particulate Flow Simulation.*

Elizabeth J. Donaldson, Ph.D., Associate Professor, English, Principal Investigator
ISRC Grant: *Psychiatric Memoirs.*

Aydin Farajidavar, Ph.D., Associate Professor, Electrical and Computer Engineering, Principal Investigator
ISRC Grant: *Continuous Monitoring and Modulation of the Vagus Nerve: Toward Selective Modulation of Hepatic Metabolic Flux in Primate. (Two year award.)*

Jole Fiorito, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Synthesis and Biological Evaluation of New PDE5 Inhibitors for the Treatment of Alzheimer's disease.*

Americo Fraboni, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Diverted Total Synthesis of Grahamimycin and its Analogs as Potential Antimicrobial Agent.*

Paolo Gasti, Ph.D., Associate Professor, Computer Science, Principal Investigator
Kiran S. Balagani, Ph.D., Associate Professor, Computer Science, Co-Principal Investigator
ISRC Grant: *Image Vault: A Deep Learning Approach to Image Encryption Secure Against Password Guessing.*

Bryan Gibb, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Characterizing and Testing Bacteriophages with Therapeutic Potential.*

Amanda Golden, Ph.D., Assistant Professor, English, Principal Investigator
ISRC Grant: *Modernism, Media, and Collaboration.*



Jonathan Goldman, Ph.D., Associate Professor, English, Principal Investigator
ISRC Grant: *New York, 1920: Scholarly Website and Articles. (Two year award.)*

Michael Hadjiargyrou, Ph.D., Professor, Life Sciences, Principal Investigator
ISRC Grant: *The role of *Mustn1* in skeletal myogenesis. (Two year award.)*

Hui-Yin Hsu, Ph.D., Professor and Chairperson, Teacher Education, Principal Investigator
TLT Grant: *Prepare Teacher Candidates' Abilities to Integrate Computer Science (CS) Education in K-8 Classrooms through Robotic Programming.*

Azhar Ilyas, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
ISRC Grant: *Development of Highly Sensitive and Refrigeration-Free Microchip Technology for HIV Detection at POC Settings.*

Dong-Sei Kim, M.Des., M.S.AUD, B.Arch., Assistant Professor, Architecture, Principal Investigator
ISRC Grant: *From Mapping to Design: Understanding Mapping for Designers - A Symposium for a Book Project.*

Colleen P. Kirk, Ph.D., Assistant Professor, Marketing, Principal Investigator
ISRC Grant: *It May Be Legitimate, But I Am Still Not Moved: Psychological Ownership Legitimacy, Narcissism, and Consumers' Emotional Responses to Marketing Communications.*

Niharika Nath, Ph.D., Professor, Life Sciences, Principal Investigator
ISRC Grant: *Detection of Abnormal or Pre-cancerous Cervical Cells Using Machine Learning.*

Navin Pokala, Ph.D., Assistant Professor, Life Sciences, Principal Investigator
ISRC Grant: *Quantitative Prediction of Neural Network State Behaviors.*

Maryam Ravan, Ph.D., Assistant Professor, Electrical and Computing Engineering, Principal Investigator
Alexander Lopez, J.D., OT/L, FAOTA, Associate Professor, Occupational Therapy, Co-Principal Investigator
ISRC Grant: *Developing a Machine Learning Approach to Investigate the Brain Connectivity in Autistic Children and the Effect of Six Weeks Physical and Cognitive Therapy.*

Anand Santhanakrishnan, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
Reza K. Amineh, Ph.D., Assistant Professor, Electrical and Computer Engineering, Co-Principal Investigator
N. Sertac Artan, Ph.D., Assistant Professor, Electrical and Computer Engineering, Co-Principal Investigator
ISRC Grant: *Fast Microwave and Millimeter Wave Imaging with Expedited Scanning.*

Veronica Southard, PT, DHSc, GCS, Associate Professor, Physical Therapy, Principal Investigator
Joanne DiFrancisco-Donoghue, Ph.D., RCEP, Assistant Professor and Director, Clinical Research, Co-Principal Investigator
ISRC Grant: *What are the Best Outcome Measures for Persons with Hypermobility Ehler-Danlos Syndrome?*

Melda N. Yildiz, Ed.D., Associate Professor, Masters Instructional Technology, Principal Investigator
Stan Silverman, M.S., Professor, Instructional Technology, Co-Principal Investigator
Eduardo Rivera Jr., M.S.L.I.S., Librarian II, Wissler Library, Co-Principal Investigator
TLT Grant: *Computational Thinking for All: Transdisciplinary Approach.*