

ANNOUNCEMENT OF 2020 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-Seven competitive *Institutional Support of Research and Creativity Grants* and *Teaching and Learning with Technology Grants* to the following NYIT faculty members in 2020, in support of research and creative endeavors:

Reza K. Amineh, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
ISRC Grant: *Quality Enhancement in Holographic Imaging of Hidden Objects Based on Background Property Estimation*

Eve Armstrong, Ph.D., Assistant Professor, Physics, Principal Investigator
ISRC Grant: *Developing statistical data assimilation for applications to astrophysical environments*

N. Sertac Artan, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
Colleen P. Kirk, Ph.D., Associate Professor, Management and Marketing, Co-Principal Investigator
ISRC Grant: *Consumer Emotional Responses to Marketing Stimuli: An fNIRS Evaluation*

Lissi Athanasiou-Krikelis, Ph.D., Assistant Professor, English, Principal Investigator
ISRC Grant: *Women Writers as Fictional Characters*

Nicole Calma-Roddin, Ph.D., Assistant Professor, Behavioral Sciences, Principal Investigator
ISRC Grant: *Investigating Irony: The Role of Speaker Identity*

Houwei Cao, Ph.D., Assistant Professor, Computer Science, Principal Investigator
ISRC Grant: *Analysis of Eye Fixations During Emotion Recognition in Talking Faces*

Yusui Chen, Ph.D., Assistant Professor, Physics, Principal Investigator
ISRC Grant: *Investigation of the quantum optomechanical system*

Sophia Domokos, Ph.D., Assistant Professor, Physics, Principal Investigator
ISRC Grant: *Holographic Solitons and Their Strong-Coupling Duals*

Christos Douvris, Ph.D., Associate Professor, Biological & Chemical Sciences, Principal Investigator
ISRC Grant: *Preparation and Applications of Rhodium-and Iridium-Based catalysts for Chemical Transformations Relating to Energy Production (Two year funding)*

Minaz Fazal, Ph.D., Assistant Professor, Education, Principal Investigator
Cesar Navarrete, Ph.D., Assistant Professor, Teacher Education, Co-Principal Investigator
ISRC Grant: *Using the Flipped Method in Fully Online Courses*

Jole Fiorito, Ph.D., Assistant Professor, Biological & Chemical Sciences, Principal Investigator
ISRC Grant: *Development of new Multiple-Target Molecules for the Treatment of Alzheimer's.*

Paolo Gasti, Ph.D., Associate Professor, Computer Science, Principal Investigator
Kiran S. Balagani, Ph.D., Associate Professor, Computer Science, Co-Principal Investigator
ISRC Grant: *Ransomware Baiter: Decoy-based Ransomware Baiting Using Deep-Learning Algorithms.*

Bryan Gibb, Ph.D., Assistant Professor, Biological & Chemical Sciences, Principal Investigator
Jole Fiorito, Ph.D., Assistant Professor, Biological & Chemical Sciences, Co-Principal Investigator
Patricia Keen, Ph.D., Assistant Professor, Energy Management, Co-Principal Investigator
David Nadler, Ph.D., Assistant Professor, Environmental Technology & Sustainability, Co-Principal Investigator.
ISRC Grant: *Antimicrobial Resistance in Treated Wastewater: Implications to the Risk and Resilience of Ecosystem and Human Health*

Amanda Golden, Ph.D., Associate Professor, English, Principal Investigator
ISRC Grant: *Annotating Modernism and Digital Media*

John Hanc, M.A., Professor, Communications Arts, English, Principal Investigator
ISRC Grant: *Cry of the Dreamer: John Boyle O'Reilly in America 1869-1890*

Xueqing Huang, Ph.D., Assistant Professor, Computer Science, Principal Investigator
ISRC Grant: *Crowdsourced Content Distribution at Mobile Edge*

Azhar Ilyas, Ph.D., Assistant Professor, Electrical and Computer Engineering, Principal Investigator
ISRC Grant: *Microfluidic Chip for Selective Capture, Isolation and Counting of circulating Tumor Cells (CTCs) at Early Stage of Cancer*

Xueting Jiang, Ph.D., Assistant Professor, Management and Marketing, Principal Investigator
ISRC Grant: *Leveraging a lenient category in practicing responsible leadership: the case of UMass dining*

Vitaly Katsnelson, Ph.D., Assistant Professor, Mathematics, Principal Investigator
ISRC Grant: *Imaging Earth's interior in the presence of multiple scattering*

Jacqueline Keighron, Ph.D., Assistant Professor, Biological & Chemical Sciences, Principal Investigator
ISRC Grant: *Enhancing the Design and Performance of the Next Generation of Enzyme Based Biosensors*

Colleen P. Kirk, Ph.D., Associate Professor, Management and Marketing, Principal Investigator
ISRC Grant: *It's a Sharing Economy, but I Don't think your Psychological Ownership is Legitimate.*

Kevin LaGrandeur, Ph.D., Professor, English, Principal Investigator
ISRC Grant: *The Ethics of Technological Cognitive Enhancement*

Fang Li, Ph.D., Associate Professor, Mechanical Engineering, Principal Investigator
Xueqing Huang, Ph.D., Assistant Professor, Computer Science, Co-Principal Investigator
ISRC Grant: *Studying Stem Cell Maturation by Using Impedance Spectroscopy Technique*

Niharika Nath, Ph.D., Professor, Biological & Chemical Sciences, Principal Investigator
Faiza Shah, M.P.A., M.S., Senior Technician, Biological & Chemical Sciences, Co-Principal Investigator
ISRC Grant: *Repertoire of H₂S and sulfur containing natural compounds: Potential Antibacterial activities*

Navin Pokala, Ph.D., Assistant Professor, Biological & Chemical Sciences, Principal Investigator
ISRC Grant: *Engineering histamine receptors for synthetic neurobiology.*

Pejman Sanaei, Ph.D., Assistant Professor, Mathematics, Principal Investigator

ISRC Grant: *Asymptotic and numerical techniques in mathematical modeling of membrane filtration*

Jessica Varghese, Ph.D., RN, Assistant Professor, Nursing, Principal Investigator

ISRC Grant: *Factors Associated with Nursing Alumni's Philanthropy to their Alma Mater*