16th Annual Faculty Scholars Recognition

NYIT de Seversky Mansion
Thursday, March 30, 2017

nyit.edu
NYIT’s Faculty Scholars Recognition is held each year in honor of faculty who have received an external or internal research, pedagogical, or infrastructural grant; published or edited a book or journal; published original research in an internationally recognized peer-reviewed journal or in a book; presented original research or creative work in a major public forum; produced a major creative work; obtained a patent; or received a prize or award from an outside organization honoring creative activity or scholarly attainment during the previous calendar year.
Co-Conveners

Rahmat Shoureshi, Ph.D.
Interim President

Jerry R. Balentine, D.O., FACEP
Vice President for Medical Affairs and Global Health

Allison Andors, Ph.D.
Assistant Provost & Senior Director, Grants

Editor/Compiler

Eileen A. Gazzola, M.S.L.I.S.
Senior Grants Coordinator, Office of Sponsored Programs and Research
Foreword

It is my distinct pleasure and honor to recognize NYIT faculty scholarship, which has not only resulted in professional development as well as national and international recognition, but more importantly has enhanced student learning at NYIT. Each year provides a new beginning for faculty members to generate ideas, creation, and incubation, and I look forward to working with the NYIT faculty members and students to further expand our scholarship and facilitate the development and recognition of a teacher-scholar model.

Scholarship and teaching are mutually sustainable endeavors; by maintaining a healthy balance and integration of these two fundamentals of academia, NYIT students experience a positive reinforcement in learning, and in turn, will become more productive and contributing professionals in the global community.

Over the last five years, NYIT has experienced a remarkable growth in its faculty scholarship and creative work. Furthermore, this expansion has resulted in distinctive clusters of cross-disciplinary initiatives that have formed the foundations of three new NYIT research centers in cybersecurity, visualization and digital entertainment, and intelligent bio-inspired systems. These centers will not only become incubators for creating new and innovative ideas, but will also be effective means of engagement among faculty and students.

Welcome to this year’s Faculty Scholarship Recognition event. I hope you enjoy reading and learning about the high-quality research and creative endeavors of the NYIT community.

Sincerely,

Rahmat Shoureshi, Ph.D.
Interim President
Foreword

Scholarly achievements move us forward as a university and as individuals. It does so in many ways, including by exploring, explaining, and improving the world around us, by challenging those who are starting their path learning, and finally, by giving us a glimmer of how much knowledge there is left to gain. Setting aside a moment in time to acknowledge the importance of the faculty scholars is an important tradition on our campus that makes me proud to be part of NYIT. I want to thank all of you for your hard work and for the example you set for all the students at NYIT. Congratulations to each of the contributors to this event.

Jerry Balentine, D.O., FACEP
Vice President for Medical Affairs and Global Health

During the past year, it has been my privilege to work with many members of the NYIT faculty whose creative and scholarly contributions, from 2016, grace this volume. I join my fellow co-convenors in honoring them.

At this 16th annual Faculty Scholars event, I think it is fitting to pause and thank former president of NYIT Dr. Edward Guiliano for all that he did to promote scholarship at this institution, whether by example or through his support and encouragement of others in their scholarly and creative pursuits throughout his time in office. As tangible manifestations of the excellence in teaching, scholarship, and service for which we justly celebrate our faculty members, the accomplishments recognized in this booklet are a testament both to him and to Interim President Rahmat Shoureshi, Ph.D.

This year, for the first time, the organizers have opted to change the name of NYIT’s annual Faculty Scholars event from the relatively passive and ceremonial “reception,” to the more active “recognition.” In academics, as in diplomacy, “recognition” is an acknowledgement of one’s legitimacy. Although the analogy must not be stretched too far, the name change does reflect this administration’s respect for the faculty’s independence, which is a source of NYIT’s strength and, indeed, is a core democratic value.

Allison Andors, Ph.D.
Assistant Provost and Senior Director, Grants
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</tbody>
</table>
I. Authors

Lissi Athanasiou-Krikelis, Ph.D.
Assistant Professor, English


Beverly J. Butcher, Ph.D.
Associate Professor and Chairperson, English; Nanjing Campus


Bryan Gibb, Ph.D.
Assistant Professor, Life Sciences


Amanda Golden, Ph.D.
Assistant Professor, English


Joanne Grasso, D.A.
Adjunct Assistant Professor, Social Sciences

Michael Hadjiargyrou, Ph.D
Professor, Life Sciences


John Hanc, M.A.
Associate Professor, Communication Arts


Eugene Kelly, Ph.D.
Professor, Social Sciences


Larry Jaffee, M.A.
Adjunct Professor, Communication Arts


Kevin LaGrandeur, Ph.D.
Professor, English


Gavin P. McStay, Ph.D.
Assistant Professor, Life Sciences


Ana G. Petrovic, Ph.D.
Assistant Professor, Life Sciences, Chemistry


Navin Pokala, Ph.D.
Assistant Professor, Life Sciences


Ranja Roy, Ph.D.
Associate Professor and Chairperson, Math


James Simon, Ph.D.
Dean, College of Arts and Sciences


James W. Wyckoff, DHA, APR
Adjunct Assistant Professor, Communication Arts

II. Presenters at Meetings and Conferences

Lissi Athanasiou-Krikelis, Ph.D.
Assistant Professor, English


Beverly J. Butcher, Ph.D.
Associate Professor and Chairperson, English; Nanjing Campus


Andrew J. Costello, Ph.D.
Assistant Professor, Behavioral Sciences


Elizabeth J. Donaldson, Ph.D.
Associate Professor, English


Claude E. Gagna, Ph.D.
Associate Professor, Life Sciences


Lambert W.C., Gagna C.E., Lambert M.W. (2016, Apr.). Progression of Actinic Keratoses to cutaneous basal cell carcinomas. Poster presentation at the American Association for Cancer Research 2016 Annual Meeting, Rutgers New Jersey Medical School, Newark, N.J.

Gagna C.E., Ahmad S., Sawyer S., Lambert W.C. (2016, Mar.). Commercialization of Next Generation DNA Microarrays: Applied Medical Nanotechnology. Presentation to the Arrayit Corporation, as part of the collaboration between NYIT and a private company to submit a Small Business Technology Transfer (STTR) grant to start a new small business, Silicon Valley, Calif.

Bryan Gibb, Ph.D.
Assistant Professor, Life Sciences


Amanda Golden, Ph.D.
Assistant Professor, English


Golden A. (2016, Mar.). Orlando’s Plath. Presentation at the University of St.Thomas, Saint Paul, Minn.

Golden A. (2016, Mar.). *Sylvia Plath’s Bees*. Presentation at the United States Military Academy, West Point, N.Y.


**Patrick Karle, M.F.A.**  
Assistant Professor, Communication Arts


**Gavin P. McStay, Ph.D.**  
Assistant Professor, Life Sciences


**John Misak, Ph.D.**  
Assistant Professor, English


Misak J. (2016, Apr.). *Using a Smartphone as Narrator and Writing Tool: A Workshop for Community College Creative Writing Students*. Speaker at the Creative Writing Symposium at Suffolk County Community College, Selden, NY. http://www.thecfestivalatsccc.com/ammerman-campus-events.html

Ana G. Petrovic, Ph.D.
Assistant Professor, Life Sciences, Chemistry


Emily Restivo, Ph.D.
Assistant Professor, Behavioral Sciences


James Simon, Ph.D.
Dean, College of Arts and Sciences

Simon J. (2016, Nov.). In the age of pre-professionalism, tips on promoting your liberal arts program. Speaker at the Council of Colleges of Arts and Sciences (CCAS) Annual Meeting, San Diego, Calif.
III. Honorees and Awardees

Larry Jaffee, M.A.
Adjunct Professor, Communication Arts


Vera Manzi-Schacht, M.F.A.
Adjunct Associate Professor, Digital Art & Design

*Artist in Residency* awarded at Il Palmerino Arts and Studies, Fiesole, Florence, Italy.

Stephen Uzzo, Ph.D.
Adjunct Professor, Masters Instructional Technology


James Simon, Ph.D.
Dean, College of Arts and Sciences

*Fellow, National Journalism Entrepreneur Institute.* Arizona State University, Jan. 2016.
IV. Designers and Exhibitors

Yuko Oda, M.F.A
Associate Professor, Digital Art & Design


Vera Manzi-Schacht, M.F.A.
Adjunct Associate Professor, Digital Art & Design


Robert S. Sherwin, M.F.A.
Associate Professor, Communication Arts

V. Grant Recipients—Externally Sponsored

Beverly J. Butcher, Ph.D.
Associate Professor, English, Nanjing Campus


Claude E. Gagna, Ph.D.
Associate Professor, Life Sciences


Michael Hadjiargyrou, Ph.D.
Professor, Life Sciences

Skeletal Effects of Methylphenidate. State University of New York-Stony Brook Prime Award No. 1 R01 HD070888-01A1; Sub award No. 1108834-2-63921.

Youjeong Kim, Ph.D.
Assistant Professor, Communication Arts

Orchestrating Plants: The Impact of Interactive Plants on Social Skills Enhancement among Autistic Children. The Breneman Jaech Foundation, The Ludus Project Grant; Games & Learning Initiative.
VI. Grant Recipients—Internally Sponsored

Lissi Athanasiou-Krikelis, Ph.D.
Assistant Professor, English

Metafiction in Picture Books and Eugene Trivizas’s Metafictionality.
Principal Investigator. ISRC Grant.
Online Grammar Tutorials for International Students.
Principal Investigator. TLT Grant.

Geoffrey Bell, M.F.A., Ph.D.
Associate Professor, Communication Arts, Nanjing

Composite Diptychs Using 3D Printing.
Global Faculty Summer Research and Creativity (GFSRC) Grant NYIT.

Nicholas Bloom, Ph.D.
Associate Professor and Chairperson, Interdisciplinary Studies & Urban Administration

Principal Investigator. ISRC Grant.
Redesigning the World of Tomorrow: Nelson Rockefeller and America’s Progressive Planning Tradition.
Principal Investigator. ISRC Grant.
Standing Tall: Exhibition, Catalog and Public Programs for the Museum of the City of New York.
Co-Principal Investigator. ISRC Grant.

Bryan Gibb, Ph.D.
Assistant Professor, Life Sciences

Development of New Tools to Improve the Efficiency of Genome Engineering.
Principal Investigator. ISRC Grant.

Amanda Golden, Ph.D.
Assistant Professor, English

Sylvia Plath’s Manuscripts: Global Implications.
Principal Investigator. ISRC Grant.
Jonathan Goldman, Ph.D.
Associate Professor, English

New Interdisciplinary Directions in James Joyce Studies.
Principal Investigator. ISRC Grant.
Two Interdisciplinary Book Projects in Twentieth-Century Studies.
Principal Investigator. ISRC Grant.

Jennifer Griffiths, Ph.D.
Associate Professor, English

Risk/Reward: Resiliency and Black Youth in the Post-Civil Rights Era.
Principal Investigator. ISRC Grant.

Michael Hadjiargyrou, Ph.D.
Professor, Life Sciences

The Role of miRNAs during Fracture Repair. Principal Investigator. ISRC Grant.
Profiling of miRNA Expression During Fracture Repair. Principal Investigator.
ISRC Grant.

Kevin LaGrandeur, Ph.D.
Professor, English

Emerging Technology and the Future of Employment.
Principal Investigator. ISRC Grant.

Gavin P. McStay, Ph.D.
Assistant Professor, Life Sciences

Characterization of Cancer Associated Mutations in Caspases.
Principal Investigator. ISRC Grant.
Creation of a Degron for Controllable Mitochondrial Protein Expression.
Principal Investigator. ISRC Grant.

Shalaka Metkar, Ph.D.
Adjunct Assistant Professor, Life Sciences

Nitric Oxide and Hydrogen Sulfide Donating NSAIDs: Epigenetic Mechanisms in Cancer Prevention and against Neurodegenerative Disorders. Co-Principal Investigator. ISRC Grant.
Christopher M. Moylan, Ph.D.
Associate Professor, English

Electronic Student Evaluation of Teaching (e-SET) and Student Profiles:
A Study of Cultural Background and Learning Style in Assessment of University.
Principal Investigator. ISRC Grant.

Niharika Nath, Ph.D.
Associate Professor and Chairperson, Life Sciences

Nitric Oxide and Hydrogen Sulfide Donating NSAIDs: Epigenetic Mechanisms in
Cancer Prevention and against Neurodegenerative Disorders.
Principal Investigator. ISRC Grant.

Eleni Nikitopoulos, Ph.D.
Assistant Professor, Life Sciences

Cooperation among Paternal Relatives in Wild Blue Monkeys.
Principal Investigator. ISRC Grant.

Ana G. Petrovic, Ph.D.
Assistant Professor, Life Sciences

IR-based Survey of Solvent & Buffer Media Towards Reliable Structural
Elucidations of Chiral Biomolecules.
Principal Investigator. ISRC Grant.

Navin Pokala, Ph.D.
Assistant Professor, Life Sciences

Development of C.elegans Models of Autism Spectrum Disorders.
Principal Investigator. ISRC Grant.

Development of New Tools to Improve the Efficiency of Genome Engineering.
Co-Principal Investigator. ISRC Grant.
Emily Restivo, Ph.D.
Assistant Professor, Behavioral Sciences

The Relationship between Mental Health and Solitary Confinement among Waived Juveniles.
Principal Investigator. ISRC Grant.

Shenglong Zhang, Ph.D.
Assistant Professor, Life Sciences

Development of LC/MS-Based Direct RNA Sequencing with Concomitant Base-Calling and Modification Analysis Capability. Principal Investigator. ISRC Grant.
Development of LC/MS-Based Direct RNA Sequencing Technology and Its Applications towards Studying Ribosomal RNA Modification Biogenesis. Principal Investigator. ISRC Grant.
“Somewhere, something incredible is waiting to be known”

—Carl Sagan
College of Osteopathic Medicine
I. Authors

Kurt Amsler, Ph.D.
Professor, Biomedical Sciences; Associate Dean, Research


George Cheriyan, D.O.
Assistant Professor, Osteopathic Manipulative Medicine, Jonesboro


Joanne DiFrancisco-Donoghue, Ph.D., RCEP.
Assistant Professor, Osteopathic Manipulative Medicine


A. Martin Gerdes, Ph.D.
Professor and Chairperson, Biomedical Sciences


Wadosky K.M., Berthiaume J.M., Tang W., Zungu M., Portman M.A., Gerdes A.M.,


**Min-Kyung Jung, Ph.D.**
Biostatistician, Research


**Satoru Kobayashi, Ph.D.**
Instructor, Biomedical Sciences


**Bhuma Krishnamachari, Ph.D.**
Assistant Professor, Medicine; Assistant Dean, Research


**Isaac Kurtzer, Ph.D.**
Assistant Professor, Biomedical Sciences


**Adena Leder, D.O.**
Assistant Professor, Clinical Sciences

Joerg R. Leheste, Ph.D., M.S.
Associate Professor, Biomedical Sciences


To Shan Li, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


Qiangrong Liang, M.D., Ph.D.
Associate Professor, Biomedical Sciences


Jayme D. Mancini, D.O., Ph.D.
Assistant Professor, Osteopathic Manipulative Medicine


Hitscherich K., Smith K., Cuoco J.A., Ruvolo K.E., Mancini J.D., Leheste


**Luis R. Martinez, Ph.D. M.B.A.**

Associate Professor, Biomedical Sciences


**Charles Pavia, Ph.D.**

Associate Professor, Biomedical Sciences


Viswanathan Rajagopalan, Ph.D.
Assistant Professor, Basic Sciences, Jonesboro


Raddy L. Ramos, Ph.D.
Assistant Professor, Biomedical Sciences


Nikos Solounias, Ph.D.
Professor, Basic Sciences


David H. Tegay, D.O., FACMG, FACOI
Associate Professor and Chairperson, Department of Clinical Specialties


Kleyner R., Malcolmson J., Tegay D., Ward K., Coppinger J., Maughan A.,


Michael J. Terzella, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


German Torres, Ph.D.
Associate Professor, Biomedical Sciences


Aleksandr Vasilyev, M.D., Ph.D.
Assistant Professor, Biomedical Sciences


Sheldon C. Yao, D.O.
Associate Professor and Chairperson, Osteopathic Manipulative Medicine


Youhua Zhang, M.D., Ph.D.
Associate Professor, Biomedical Sciences


II. Presenters at Meetings and Conferences

Reem Abu-Sbaih, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


George Cheriyan, D.O.
Assistant Professor, Osteopathic Manipulative Medicine, Jonesboro


Joanne DiFrancisco-Donoghue, Ph.D., RCEP
Assistant Professor, Osteopathic Manipulative Medicine


**Theodore B. Flaum, D.O., FACOFP**

Assistant Professor, Osteopathic Manipulative Medicine


**A. Martin Gerdes, Ph.D.**

Professor and Chairperson, Biomedical Sciences


Gerdes A.M. (2016, Jul.–Aug.). *International Academy of Cardiology, 21st World Congress on Heart Disease*. Organizing Committee Member and Invited Speaker, Boston, Mass.


**Min-Kyung Jung, Ph.D.**
Biostatistician, Research


**Satoru Kobayashi, Ph.D.**
Instructor, Biomedical Sciences


**Patricia Kooyman, D.O.**
Assistant Professor, Osteopathic Manipulative Medicine

Datta R., DeFoe D., Kooyman P., Yao S.C. (2016, Mar.). *I can’t feel my toes: The application of osteopathic manipulative treatment (OMT) in peripheral arterial disease: A case study*. Student poster was presented for the AAO Louisa Burns Osteopathic Research Poster Presentation at the American Academy of Osteopathy Convocation, Orlando, Fla.


37  College of Osteopathic Medicine
Adena Leder, D.O.
Assistant Professor, Clinical Sciences


Joerg R. Leheste, Ph.D., M.S.
Associate Professor, Biomedical Sciences


To Shan Li, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


Qiangerong Liang, M.D., Ph.D.
Associate Professor, Biomedical Sciences


Liang Q. (2016, Jul.–Aug.). Deciphering the role of mitophagy in the heart during fasting. Invited Speaker at the International Academy of Cardiology, 21st World Congress on Heart Disease, Boston, Mass.

Liang Q. (2016, Sep.). Killing two birds with one stone: Strategies to simultaneously reduce cardiotoxicity of doxorubicin and enhance its antitumor efficacy. Invited Speaker at the Cancer Hospital of Hainan Province, Haikou, China.

Liang Q. (2016, Sep.). Mitochondrial quality control and diabetic heart failure. Invited Speaker at the First Hospital of Xian Jiaotong University Medical School, Xian, China.

Liang Q. (2016, Oct.). Mitophagy in the diabetic heart. Invited speaker at the 14th Annual Meeting of Cardiac Adaptations to Obesity, Diabetes & Insulin Resistance, Novel Targets and Therapies, the Society for Heart and Vascular Metabolism (SHVM), Beijing, China.
Liang Q. (2016, Oct.). *Therapeutic strategies to protect against heart failure.* Invited Speaker at 981 Health Science & Technology Group, Beijing, China.

Liang Q. (2016, Dec.). *Mitophagy in the heart.* Invited Speaker at the Albert Einstein College of Medicine, New York, N.Y.


Jayme D. Mancini, D.O., Ph.D.
Assistant Professor, Osteopathic Manipulative Medicine


Mancini J.D., Pasternack D. M., Caruana N., Leder A. (2016, Jun.). *Improvement in posture, pain, and cardiac autonomic function in a prospective study of osteopathic manipulative medicine and physical therapy for camptocormia in Parkinson’s disease.* Poster presented at the 20th International Congress of Parkinson’s Disease and Movement Disorders, Berlin, Germany.


Luis R. Martinez, Ph.D., M.B.A.
Associate Professor, Biomedical Sciences


Joseph Mazzie, D.O.
Assistant Professor, Osteopathic Manipulative Medicine

Charles Pavia, Ph.D.
Associate Professor, Biomedical Sciences


Viswanathan Rajagopalan, Ph.D.
Assistant Professor, Basic Sciences, Jonesboro


Michael J. Terzella, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


German Torres, Ph.D.
Associate Professor, Biomedical Sciences


Sheldon C. Yao, D.O.
Associate Professor and Acting Chairperson, Osteopathic Manipulative Medicine


Datta R., DeFoe D., Kooyman P., Yao S.C. (2016, Mar.). I can’t feel my toes: The application of osteopathic manipulative treatment (OMT) in peripheral arterial disease: A case study. Student poster was presented for the AAO Louisa Burns Osteopathic Research Poster Presentation at the American Academy of Osteopathy Convocation, Orlando, Fla.


Youhua Zhang, M.D., Ph.D.
Associate Professor, Biomedical Sciences


Hallie Zwibel, D.O.
Assistant Professor, & Director, Sports Medicine

III. Honorees and Awardees

Reem Abu-Sbaih, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


George Cheriyan, D.O.
Assistant Professor, Osteopathic Manipulative Medicine, Jonesboro


Joanne DiFrancisco-Donoghue, Ph.D., RCEP
Assistant Professor, Osteopathic Manipulative Medicine

2nd place poster competition, “The effects of osteopathic manipulative treatment on hyperhomocysteinemia in Parkinson’s Disease.” American Osteopathic Association (AAO), Student Osteopathic Medical Association (SOMA), Sep. 2016.

Theodore B. Flaum, D.O., FACOFP
Assistant Professor, Osteopathic Manipulative Medicine


Patricia Kooyman, D.O.
Assistant Professor, Osteopathic Manipulative Medicine

Jayme D. Mancini, D.O., Ph.D.
Assistant Professor, Osteopathic Manipulative Medicine


2nd place poster competition, “The effects of osteopathic manipulative treatment on hyperhomocysteinemia in Parkinson’s Disease.” American Osteopathic Association (AAO), Student Osteopathic Medical Association (SOMA), Sep. 2016.

Joseph Mazzie, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


Michael J. Terzella, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


Sheldon C. Yao, D.O.
Associate Professor and Acting Chairperson, Osteopathic Manipulative Medicine


Award for Excellence in Teaching, Clinical Sciences, Class of 2016, May 2016.


2nd place poster competition, “The effects of osteopathic manipulative treatment on hyperhomocysteinemia in Parkinson’s Disease.” American Osteopathic Association (AAO), Student Osteopathic Medical Association (SOMA), Sep. 2016.
IV. Grant Recipients—Externally Sponsored

Kurt Amsler, Ph.D.
Professor, Biomedical Sciences; Associate Dean, Research

Jerry Balentine, D.O., FACEP
Vice President for Medical Affairs and Global Health

Gabriel Bever, Ph.D.
Assistant Professor, Anatomy

Nancy Bono, D.O.
Associate Professor and Chairperson, Family Medicine
An Accelerated DO/Family Medicine Residency Continuum. Health Resources and Services Administration. HRSA-11-155; Primary Care Training and Enhancement, Predoctoral Training in Primary Care Program. Award No. 6 D56HP23269-05-02. Family Physician Faculty Training in Geriatrics. Health Resources and Services Administration. HRSA-11-154; Primary Care Training and Enhancement, Physician Faculty Development in Primary Care Program. Award No. 5 D55HP23200-05-00.

Jonathan H. Geisler, Ph.D.
Associate Professor, Anatomy
Brian L. Beatty, Ph.D.
Associate Professor, Anatomy
How Development and Behavior Interact to Change Skull Form: Exploring and Sharing Evolutionary Insights from the Fossil record of Cetaceans (Whales, Dolphins, and Porpoises.) National Science Foundation, Sedimentary Geology and Paleobiology; Award No. EAR-1349607.
A. Martin Gerdes, Ph.D.
Professor and Chairperson, Biomedical Sciences

Low Thyroid Function and Myocardial Infarction. National Institutes of Health, National Heart, Lung, and Blood Institute; Grant No. R01 HL103671.

Satoru Kobayashi, Ph.D.
Instructor and Postdoctoral Fellow, Biomedical Sciences


Qiangrong Liang, M.D., Ph.D.
Associate Professor, Biomedical Sciences


Luis R. Martinez, Ph.D. M.B.A.
Associate Professor, Biomedical Sciences

Impact of Methamphetamine Induced IL-6 production on Wound Healing and Inflammation. National Institute of General Medical Sciences of the US National Institutes of Health; Academic Research Enhancement Award (Parent R15). Grant No. 1 R15 GM117501-01.

Michael J. Terzella, D.O.
Assistant Professor, Osteopathic Manipulative Medicine


Aleksandr Vasilyev, M.D., Ph.D.
Assistant Professor, Biomedical Sciences

Zebrafish Model of Acute Kidney Injury. National Institutes of Health, Small Research Grant Program; Grant No. 5 R03 DK097443-03.
V. Grant Recipients—Internally Sponsored

Qiangrong Liang, M.D., Ph.D.
Associate Professor, Biomedical Sciences

A Multifunctional Lab-On-Chip Device for Cell Mechanobiology Studies.
Co-Principal Investigator. ISRC Grant.

Co-Principal Investigator. ISRC Grant.
“The measure of greatness in a scientific idea is the extent to which it stimulates thought and opens up new lines of research”

—Paul A.M. Dirac
School of Architecture and Design
I. Authors

Taha A. Al-Douri, Ph.D., IIAS
Professor, Assistant Dean and Strategic Advisor,
Middle East Region


Mathew P. Ford, M.Arch., RA
Assistant Professor, Architecture


Farzana Gandhi, AIA, LEED AP
Assistant Professor and Chairperson, Architecture


Giovanni Santamaria, Ph.D.
Visiting Assistant Professor, Architecture


Jon Michael Schwarting, B.Arch., M. Arch.
Professor, Architecture

II. Presenters at Meetings and Conferences

Taha A. Al-Douri, Ph.D., IIAS
Professor, Assistant Dean & Strategic Advisor,
Middle East Region


Farzana Gandhi, AIA, LEED AP
Assistant Professor and Chairperson, Architecture


Jon Michael Schwarting, B.Arch., M. Arch.
Professor, Architecture


Martha Jo Siegel, CID, IDEC, LEED AP, ASID, IIDA
Associate Professor, Chairperson and Coordinator Global ID Programs, Interior Design

III. Honorees and Awardees

Taha A. Al-Douri, Ph.D., IIAS
Professor, Assistant Dean and Strategic Advisor,
Middle East Region

*Honorary Appointment* at the International Institute for Advanced Studies in
Systems Research and Cybernetics, as Visiting Research Professor, Aug. 2016.
IV. Grant Recipients—Externally Sponsored

Jan Greben, B.Arch., M.S.
Adjunct Professor, Architecture

V. Grant Recipients—Internally Sponsored

Matthias R. Altwicker, B.Arch, M.U.P., RA, AIA, LEED AP
Associate Professor, Architecture
Standing Tall: Exhibition, Catalog and Public Programs for the Museum of the City of New York. Principal Investigator. ISRC Grant.

Naomi Frangos, Architect (OAQ), M.Arch, B.Arch
Associate Professor, Architecture; Exhibitions & Lectures Coordinator
Fabricating Intuitive Innovation in Digital Design (FIND). Principal Investigator. ISRC Grant.

Farzana Gandhi, AIA, LEED AP
Assistant Professor and Chairperson, Architecture

Jan Greben, B.Arch., M.S.
Adjunct Professor, Architecture
E.1027 to Tempe á Pailla: Collaboration to Independence in the Work of Eileen Gray. Co-Principal Investigator. ISRC Grant.

Nader Vossoughian, B.A., M.A., M.Phil., Ph.D.
Associate Professor, Architecture
E.1027 to Tempe á Pailla: Collaboration to Independence in the Work of Eileen Gray. Principal Investigator. ISRC Grant.
I. Authors

Nada M. Anid, Ph.D.
Dean, School of Engineering and Computing Sciences; Professor, Engineering


N. Sertac Artan, Ph.D.
Assistant Professor, Electrical and Computer Engineering

Kiran S. Balagani, Ph.D.
Assistant Professor, Computer Sciences


Houwei Cao, Ph.D.
Assistant Professor, Computer Sciences


Ziqian Dong, Ph.D.
Assistant Professor, Electrical and Computer Engineering


Aydin Farajidavar, Ph.D.
Assistant Professor, Electrical and Computing Sciences, Engineering

Brian Galli, Ph.D.
Adjunct Instructor, Mechanical Engineering


Paolo Gasti, Ph.D.
Assistant Professor, Computer Science


Fang Li, Ph.D.
Assistant Professor, Mechanical Engineering


**Wenjia Li, Ph.D.**
Assistant Professor, Computer Science


* = corresponding author.


* = corresponding author

**Sandra Kopecky, M.S.**
Adjunct Faculty, Computer Science


Marta A. Panero, Ph.D.
Director of Strategic Partnerships, School of Engineering and Computing Sciences


Reza M. Parizi, Ph.D.
Associate Professor, School of Engineering and Computing Sciences, Nanjing Campus


Milan Toma, Ph.D.
Assistant Professor, Mechanical Engineering


**Xun Yu, Ph.D.**

Associate Professor and Chairperson, Mechanical Engineering


**Jonathan Voris, Ph.D.**

Assistant Professor, Engineering and Computing Sciences

II. Presenters at Meetings and Conferences

Nada M. Anid, Ph.D.
Dean, School of Engineering and Computing Sciences; Professor, Engineering


Anid N. (2016, Sep.). Open House to industry and the broader community. Speaker and presenter at NYIT’s Entrepreneurship and Technology Innovation Center (ETIC), NYIT, Old Westbury, N.Y.


Anid N. (2016, Feb.). Trends in Cybersecurity—the world is changing because of Cyber. Panelist at the Level3 Communications Telecommunications Service Provider, the DiMenna Center, New York City, N.Y.


N. Sertac Artan, Ph.D.
Assistant Professor, Electrical and Computer Engineering


Ziqian Dong, Ph.D.
Assistant Professor, Electrical and Computer Engineering


Dong Z. (2016, Oct.). Self-driving walkers keep Parkinson’s patients moving. Featured Speaker at the Lady Ada Lovelace Day, Hofstra University, Hempstead, N.Y.


# = undergraduate student.


# = undergraduate student.

# = graduate student.

---

**Brian Galli, Ph.D.**
Adjunct Instructor, Mechanical Engineering

Galli B. (2016, Mar.). Applying lean & six sigma tools to reduce preventable readmissions. Poster session presented at the Lean and Six Sigma World Conference, American Quality Institute, Orlando, Fla.


Galli B. (2016, Jul.). Human factors & ergonomics in design operations and production operations. Poster session presented at Binghamton University Professional Engineering & Professional Development Seminar, Binghamton, N.Y.

Galli B. (2016, Oct.). Impact of predictive analytics in the supply chain. Poster session presented at the American Society for Quality (ASQ), Long Island Fall Symposium, Hofstra University, Hempstead, N.Y.

Huanying Gu, Ph.D.
Associate Professor, Computer Science


# = graduate student

Sandra Kopecky, M.S.
Adjunct Faculty, Computer Science


Fang Li, Ph.D.
Assistant Professor, Mechanical Engineering


Wenjia Li, Ph.D.
Assistant Professor, Computer Science


* = corresponding author


* = corresponding author


* = corresponding author
Marta A. Panero, Ph.D.
Director of Strategic Partnerships, School of Engineering and Computing Sciences


Panero M. (2016, Feb.). *Introduce a Girl to Engineering,* Speaker at NYIT Manhattan Campus, New York, N.Y.

Panero M. (2016, Sep.). *Showcase Event:* Speaker at the Entrepreneurship & Technology Innovation Center, NYIT, Old Westbury, N.Y.

Panero M. (2016, Nov.). *Transportation Research Agenda at NYIT,* Speaker at the University Transportation Research Center (UTRC)—NYIT Transportation Technology Summit, NYIT Auditorium on Broadway, New York, N.Y.


Reza M. Parizi, Ph.D.
Associate Professor, School of Engineering and Computing Sciences, Nanjing Campus

James J. Scire, Ph.D.
Assistant Professor, Mechanical Engineering


Xun Yu, Ph.D.
Associate Professor and Chairperson, Mechanical Engineering


Tao Zhang, Ph.D.
Professor, Computer Science

III. Honorees and Awardees

Nada M. Anid, Ph.D.
Dean, School of Engineering and Computing Sciences;
Professor, Engineering

Vice Chair, Public Affairs & Information Committee (PAIC), American Institute of Chemical Engineers (AIChE)

Editor, The Journal of Environmental Progress and Sustainable Energy: Special Issue on Food, Energy and Water Nexus. American Institute of Chemical Engineers. ISSN: 1944–7450.


Marta A. Panero, Ph.D.
Director of Strategic Partnerships, School of Engineering and Computing Sciences

Advisor, for students participating in the 7x24 Exchange University Challenge hosted by the Metro NY Chapter of the 7x24 Exchange Organization.

Assistant Editor, The Journal of Environmental Progress and Sustainable Energy: Special Issue on Food, Energy and Water Nexus. American Institute of Chemical Engineers. ISSN: 1944–7450.

Board Member, Long Island’s Manufacturing & Technology Resource Consortium (LI-MTRC).

Lead NYIT Organizer, International Association of Transportation Regulators (IATR) First Ever-Hackathon for Transportation Data hosted at NYIT Manhattan Campus on Sep. 24–25; organized in conjunction with the annual conference by the International Association of Transportation Regulators (IATR) in San Francisco.

Lead Organizer for NYIT’s Internal Business Plan Competition, for students from the Schools of Engineering & Computing Sciences, Management, and Arts & Sciences.

Member, Girls in STEM—organized by Intrepid Museum.

Member, LI Regional Economic Development Council’s Workforce and Education Committee.

Member, LI Workforce Development & Technology Committee.

Member, of two Commissions (IT and Engineering) organized by New York City
Member Organizing Committee, Entrepreneur Educational & Mentoring Series; cosponsored with the Long Island Capital Alliance.

Member Organizing Committee, NYIT Annual Energy Conference on Jun. 16, 2016.

Member Steering Committee, NYIT Seventh Annual Cybersecurity Conference on Sept. 22, 2016.

Member Steering Committee, for the UTRC-NYIT Transportation Technology Summit on Nov. 19, 2016, NYIT Auditorium on Broadway.

Member Organizing Committee, for the LI Regional Business Plan Competition, co-hosted by NYIT, Stony Brook University, SUNY Farmingdale, and Hofstra University.

Mentor, for students participating in the National Academy of Engineering’s Grand Challenge Summit. NYIT was one of five teams that won the national competition and went on to compete at the Global Grand Challenge in Beijing, China.

Regular Participant, New York City Department of Design and Construction (NYC-DDC)’s Town & Gown meetings.

IV. Patents

Ziqian Dong, Ph.D.
Assistant Professor, Electrical and Computer Engineering

V. Grant Recipients—Externally Sponsored

Nada M. Anid, Ph.D.
Dean, School of Engineering and Computing Sciences; Professor, Engineering


Engineering: Increase Enrollments (EngINE) Phase 2. Empire State Development. New York State Consolidated Funding application. CFA No. 18509; Project No. Y367.

Entrepreneurship and Technology Innovation Center (ETIC). Empire State Development. New York State Consolidated Funding Application. CFA No. 8309; Project No. X678.

FEW Workshop: Food, Energy, and Water Nexus in Sustainable Cities, National Science Foundation, CBET-Environmental Sustainability Program NSF Award No. 1541866.

Innovation Continuum: High School to College to Workforce. Empire State Development, New York State Consolidated Funding Application; CFA No. 42549.


Training and Research Programs at NYIT’s Cybersecurity Research Center and Start-Up NY Facility (New York and Abu Dhabi Campuses.) Northrop Grumman Corporation.

UTRC Education and Technology Transfer: NYIT Proposal for a Transportation Innovation Series, Region II University Transportation Research Center, Subcontract No. 49198-12-27.

N. Sertac Artan, Ph.D.
Assistant Professor, Electrical and Computer Engineering

Secure and private sensing for driver authentication and transportation safety. Region II University Transportation Research Center (UTRC), Award No. 49198-33-27.

Kiran S. Balagani, Ph.D.
Assistant Professor, Computer Sciences

Ziqian Dong, Ph.D.
Assistant Professor, Electrical and Computer Engineering

Pathway to Innovation. National Science Foundation, co-sponsored by Stanford University and NCIIA/VentureWell; Team member with Team Leaders Dr. Richard Simpson and Dean Nada Assaf-Anid 1/15/2015–1/14/2017.


Ziqian Dong, Ph.D.
Assistant Professor, Electrical and Computer Engineering

N. Sertac Artan, Ph.D.
Assistant Professor, Electrical and Computer Engineering

Kiran S. Balagani, Ph.D.
Assistant Professor, Computer Sciences

Paolo Gasti, Ph.D.
Assistant Professor, Computer Science

Huanying Gu, Ph.D.
Associate Professor, Computer Science

Wenjia Li, Ph.D.
Assistant Professor, Computer Science

Marta A. Panero, Ph.D.
Director of Strategic Partnerships, School of Engineering and Computing Sciences

Sarah McPherson, Ph.D.
Adjunct Associate Professor, Masters Instructional Technology

Anand Santhanakrishnan, Ph.D.
Assistant Professor, Electrical and Computer Engineering

Jonathan Voris, Ph.D.
Assistant Professor, Computer Science

Tao Zhang, Ph.D.
Professor, Computer Science

Paolo Gasti, Ph.D.
Assistant Professor, Computer Science


Wenjia Li, Ph.D.
Assistant Professor, Computer Science

Securing Inter-Vehicular Networks with Time and Driver Identity Considerations. Region II University Transportation Research Center (UTRC), Award No. 49198-33-28.

Marta A. Panero, Ph.D.
Director of Strategic Partnerships, School of Engineering and Computing Sciences

Advanced Institute for Transportation Education (AITE) Graduate Scholarship Program—Fall 2016. Region II University Transportation Research Center (UTRC), Subaward No. 49198-08-28.
James J. Scire, Ph.D.
Assistant Professor, Mechanical Engineering


Jonathan Voris, Ph.D.
Assistant Professor, Computer Science

Secure and private sensing for driver authentication and transportation safety. Region II University Transportation Research Center (UTRC), Award No. 49198-33-27.
VI. Grant Recipients—Internally Sponsored

N. Sertac Artan, Ph.D.
Assistant Professor, Electrical and Computer Engineering


HOMES: High-Throughput On-Chip Massively-Parallel Signature Verification. Principal Investigator. ISRC Grant.

Reconfigurable Signal Compressor Architecture for Low-Power Neural Implantable Devices. Principal Investigator. ISRC Grant.

Secure Inter-Vehicular Communication with Time and Driver Identity Considerations. Co-Principal Investigator. ISRC Grant.

Kiran S. Balagani, Ph.D.
Assistant Professor, Computer Science

DISPERSE: DDoS Mitigation through Adaptive Replication of Services and Content. Co-Principal Investigator. ISRC Grant.


Lightweight Mutual Authentication for Cloud-Based WBANs. Co-Principal Investigator. ISRC Grant.

Privacy-Preserving User Authentication Using 3-D Haptic Interactions. Co-Principal Investigator. ISRC Grant.

Dorinamaria Carka, Ph.D.
Assistant Professor, Mechanical Engineering

Ziqian Dong, Ph.D.
Assistant Professor, Electrical and Computer Engineering

Body Area Sensor Network for Nonintrusive Freezing-of-Gait Study of Individuals with Parkinson’s Disease. Principal Investigator. ISRC Grant.
Integrating Research Activities into Undergraduate Studies across Global Campuses. Principal Investigator. TLT Grant.

Aydin Farajidavar, Ph.D.
Assistant Professor, Electrical and Computer Engineering

A Multi-Channel Implantable System for Monitoring Gastric Electrical Activities. Principal Investigator. ISRC Grant
A Novel Sensor for Simultaneous Measurement of Gastric Contractions and Bioelectrical Activities. Principal Investigator. ISRC Grant.
Restoring Gastric Motility: A Model-Based Solution for Closed-Loop Implantable Pulse Generators. Principal Investigator. ISRC Grant.

Paolo Gasti, Ph.D.
Assistant Professor, Computer Science

DISPERSE: DDoS Mitigation through Adaptive Replication of Services and Content. Principal Investigator. ISRC Grant.
HOMES: High-Throughput On-Chip Massively-Parallel Signature Verification. Co-Principal Investigator. ISRC Grant.
Privacy-Preserving User Authentication Using 3-D Haptic Interactions. Principal Investigator. ISRC Grant.

Huanying Gu, Ph.D.
Associate Professor, Computer Science

Sung-o Kim, Ph.D.
Assistant Professor, Electrical and Computer Engineering
A Real Time and Flexible Microplasma Chemical Monitoring.
Principal Investigator. ISRC Grant.

Fang Li, Ph.D.
Assistant Professor, Mechanical Engineering
A Multifunctional Lab-On-Chip Device for Cell Mechanobiology Studies.
Principal Investigator. ISRC Grant.
Principal Investigator. ISRC Grant.

Wenjia Li, Ph.D.
Assistant Professor, Computer Science
Development of LC/MS-Based Direct RNA Sequencing with Concomitant Base-Calling and Modification Analysis Capability. Co-Principal Investigator. ISRC Grant.
Secure Inter-Vehicular Communication with Time and Driver Identity Considerations.
Principal Investigator. ISRC Grant.
Towards Secure and Energy Efficient Routing for the Internet of Things.
Co-Principal Investigator. ISRC Grant.

Richard A. Meyers, M.E.E.E.
Associate Professor, Electrical Engineering Technology
Principal Investigator. ISRC Grant.

Reza M. Parizi, Ph.D.
Associate Professor, School of Engineering and Computing Sciences, Nanjing Campus
An Industrial-Strength Automated Test Generation Tool for Aspect-Oriented Software in AspectJ.
Global Faculty Summer Research & Creativity Grant (GFSRC).
Mobile Android Professional Application Development.
Global Faculty Summer Research & Creativity Grant (GFSRC).
Anand Santhanakrishnan, Ph.D.
Assistant Professor, Electrical and Computer Engineering

DISPERSE: DDoS Mitigation through Adaptive Replication of Services and Content.
Co-Principal Investigator. ISRC Grant.
Towards Secure and Energy Efficient Routing for the Internet of Things.
Principal Investigator. ISRC Grant.

James J. Scire, Ph.D.
Assistant Professor, Mechanical Engineering

Principal Investigator. ISRC Grant.

Jonathan Voris, Ph.D.
Assistant Professor, Computer Science

Principal Investigator. ISRC Grant.
Secure Inter-Vehicular Communication with Time and Driver Identity Considerations.
Co-Principal Investigator. ISRC Grant.
Principal Investigator. ISRC Grant.

Donglin Wang, Ph.D.
Associate Professor, Electrical and Computer Engineering, Nanjing

Integrating Research Activities into Undergraduate Studies across Global Campuses.
Co-Principal Investigator. TLT Grant.
Machine Learning Techniques and its Application to Cooperative Spectrum Sensing in CRNs.
Global Faculty Summer Research and Creativity (GFSRC) Grant NYIT.
“The story of civilization is, in a sense, the story of engineering, that long and arduous struggle to make the forces of nature work for man’s good”

—L. Sprague de Camp
School of Health Professions
I. Authors

Tobi A. Abramson, Ph.D.
Adjunct Assistant Professor, Interdisciplinary Health Sciences


Donna T. Darcy, M.A., RN, ACNS-BC, CMSRN
Clinical Assistant Professor, Nursing


B. Suzy Diggle-Fox, Ph.D., GNP, ANP, B-C
Assistant Professor, Nursing


Peter Douris, PT, D.P.T., Ed.D., OCS, NCS
Professor, Physical Therapy


Rosemary Gallagher, PT, DPT, GCS
Assistant Professor, Physical Therapy

Eric Greenberg, PT, DPT, SCS, CSC  
Assistant Professor, Physical Therapy


John P. Handrakis, PT, D.P.T., Ed.D., NCS  
Associate Professor, Physical Therapy


Teresa Ingenito, PT, MS, D.P.T.  
Assistant Professor, Physical Therapy


Lorraine Mongiello, Dr.P.H.  
Assistant Professor, Interdisciplinary Health Sciences


Kristine Prazak, PA-C, M.S.  
Assistant Professor, Physician Assistant Program


Veronica Southard, PT, DHSc, GCS
Associate Professor, Physical Therapy


William Werner, PT, Ed.D.
Associate Professor, Physical Therapy


II. Presenters at Meetings and Conferences

Tobi A. Abramson, Ph.D.
Adjunct Assistant Professor, Interdisciplinary Health Sciences


Zehra Ahmed, PA-C, MBBS
Assistant Professor and Chairperson, Physician Assistant Studies


Maureen Cardoza, Ph.D., CADDCT, DPN, RN
Assistant Professor, Nursing


Donna T. Darcy, M.A., RN, ACNS-BC, CMSRN
Clinical Assistant Professor, Nursing


B. Suzy Diggle-Fox, Ph.D., GNP, ANP, B-C
Assistant Professor, Nursing


Rosemary Gallagher, PT, D.P.T., GCS
Assistant Professor, Physical Therapy


Eric Greenberg, PT, D.P.T., SCS, CSC
Assistant Professor, Physical Therapy


Mark Gugliotti, PT, D.P.T., OCS, C.O.M.T.
Assistant Professor, Physical Therapy


John P. Handrakis, PT, D.P.T., Ed.D., NCS
Associate Professor, Physical Therapy


Mindy Haar, Ph.D., RD, CDN
Director, Academic Management, Department of Interdisciplinary Health Sciences


Kristine Prazak, PA-C, M.S.
Assistant Professor, Physician Assistant Program


Pamela Treister, DNP, CNS, RN, CMSRN
Clinical Assistant Professor


III. Honorees and Awardees

Peter Douris, PT, D.P.T., Ed.D., OCS, NCS
Professor, Physical Therapy


John P. Handrakis, PT, D.P.T., Ed.D., NCS
Associate Professor, Physical Therapy


Susan Neville, Ph.D., RN, CDP, CADDCT
AACN 2015 Wharton Fellow;
Professor and Chairperson, Nursing

Advisory Board Appointment, Nassau Community College Department of Nursing, SUNY, Garden City, N.Y.; Oct. 2016
IV. Grant Recipients—Externally Sponsored

Zehra Ahmed, PA-C, MBBS
Assistant Professor and Chairperson
Physician Assistant Studies

Expansion of Physician Assistant Training Program (EPAT). Health Resources and Services Administration. HRSA-10-278; Affordable Care Act: Expansion of Physician Assistant Training Program. Award No. 4 T88HP20938-01-04.

Karen Friel, PT, D.H.S.
Professor and Chairperson, Physical Therapy

Related Services Scholarships in Occupational Therapy and Physical Therapy. New York City Department of Education, Scholarship Programs for Special Education in Teaching and Clinical Disciplines for Related Services.

John P. Handrakis, PT, D.P.T., Ed.D., NCS
Associate Professor, Physical Therapy


Susan Neville, Ph.D., RN, CDP, CADDCT
AACN 2015 Wharton Fellow;
Professor and Chairperson, Nursing

V. Grant Recipients—Internally Sponsored

Melanie Austin-McCain, OTD, MPA, OTR/L
Assistant Professor, Occupational Therapy

Principal Investigator. ISRC Grant.

Joanne DiFrancisco-Donoghue, Ph.D., RCEP
Assistant Professor, Osteopathic Manipulative Medicine

Does Whole Body Periodic Acceleration Improve Sleep Disturbances in Persons with Parkinson’s Disease?
Co-Principal Investigator. ISRC Grant.

Christina Finn, MS, OTR/L
Assistant Professor, Occupational Therapy

Tracking Symptoms and Physiological Changes during Daily Activity in Patients with Persistent Post Concussive Symptoms.
Principal Investigator. ISRC Grant.

Mark Gugliotti, PT, D.P.T., OCS, C.O.M.T.
Assistant Professor, Physical Therapy

Lumbar Spinal Palpation Simulator.
Principal Investigator. TLT Grant.

Mindy Haar, Ph.D., RD, CDN
Director, Program Development, Interdisciplinary Health Services

Co-Principal Investigator. ISRC Grant.
Kristine Prazak, PA-C, M.S.
Assistant Professor, Physician Assistant Program

Use of Virtual Patient Software to Enhance Physician Assistant Student Knowledge and Competence in Palliative Medicine and End-of-Life Care. Principal Investigator. TLT Grant.

Veronica Southard, PT, DHSc, GCS
Associate Professor, Physical Therapy

Does Whole Body Periodic Acceleration Improve Sleep Disturbances in Persons with Parkinson’s Disease? Principal Investigator. ISRC Grant.

William Werner, PT, Ed.D.
Associate Professor, Physical Therapy

School of Interdisciplinary Studies & Education
I. Authors

Daniel Cinotti, Ph.D.
Assistant Professor, School Counseling


Carol A. Dahir, Ed.D.
Professor and Chairperson, School Counseling


Hui-Yin Hsu, Ph.D.
Associate Professor, Teacher Education


Melda Yildiz, Ed.D.
Associate Professor, Chairperson, MSIT, Instructional Technology


II. Presenters at Meetings and Conferences

Melda Yildiz, Ed.D.
Associate Professor, Chairperson, MSIT, Instructional Technology


III. Honorees and Awardees

Melda Yildiz, Ed.D.
Associate Professor, Chairperson, MSIT,
Instructional Technology

Fulbright Scholar, Lecture/Research Award, Azerbaijan Ministry of Education and
yit.edu/document/d/19jKHXn3IPirgJaTgWF69jt27wEBesSyfZy_r_DHNAGQ/edit?usp=sharing
IV. Grant Recipients—Externally Sponsored

Daniel Cinotti, Ph.D.
Assistant Professor, School Counseling

An Exploration of Pre-Service School Counselors’ Experiences with Group Leadership during Site Supervision. Association for Counselor Education and Supervision (ACES) Research Grant.

Carol A. Dahir, Ed.D.
Professor and Chairperson, School Counseling

Senior Class Focus on College Access. New York State Higher Education Services Corporation, College Access Challenge Grants Program (CACGP); No. HES01-Action-2015-00010. Activity No. 545108
Kids 2 College. Commission of Independent Colleges and Universities (CICU)-2015_2016 (MA) Activity No. 589113-MS CACG CICU.

Stan Silverman, M.S.
Professor, Instructional Technology; Director,

Technology Based Learning Systems


Shiang-Kwei Wang, Ph.D.
Professor, Instructional Technology

Hui-Yin Hsu, Ph.D.
Associate Professor, Teacher Education

Collaborative Research: Cyber-enabled Learning: Digital Natives in Integrated Scientific Inquiry Classrooms. National Science Foundation, Discovery Research Program; Award No. DRL-1020091.
V. Grant Recipients—Internally Sponsored

Daniel Cinotti, Ph.D.
Assistant Professor, School Counseling
Training Future Administrators to Supervise School Counselors: An Interdepartmental Approach. Principal Investigator. TLT Grant.

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

Sarah McPherson, Ph.D.
Adjunct Associate Professor, Masters Instructional Technology
Training Future Administrators to Supervise School Counselors: An Interdepartmental Approach.
Co-Principal Investigator. TLT Grant.

Michael Uttendorfer, Ed.D.
Associate Professor, Instructional Technology
Online Grammar Tutorials for International Students.
Co-Principal Investigator. TLT Grant.

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

Sinan Caykoylu, Ph.D.
Assistant Professor and Assistant Dean, Management, Vancouver


Deborah Y. Cohn, Ph.D.
Associate Professor, Marketing


Petra F.A. Dilling, Ph.D.
Associate Professor, Accounting, Vancouver


Peter Harris, MBA, CFA, CPA, CMA, CIA
Professor, Accounting


* = corresponding author


Colleen P. Kirk, DPS.
Assistant Professor, Marketing


Frank T. Lorne, Ph.D.
Professor, Economics, Vancouver


Purushottam L. Meena, Ph.D.
Assistant Professor, Quantitative Methods


Rakesh Mittal, Ph.D.
Assistant Professor, Human Resource Management

Steven Shapiro, Ph.D.
Professor, Finance


Amr Swid, Ph.D.
Assistant Professor, Management


II. Presenters at Meetings and Conferences

Joshua E. Bienstock, J.D., L.L.M.
Assistant Professor, Law


Deborah Y. Cohn, Ph.D.
Associate Professor, Marketing


Petra F.A. Dilling, Ph.D.
Associate Professor, Accounting, Vancouver

Peter Harris, MBA, CFA, CPA, CMA, CIA
Professor, Accounting


Colleen P. Kirk, DPS.
Assistant Professor, Marketing


Frank T. Lorne, Ph.D.
Professor, Economics, Vancouver

Purushottam L. Meena, Ph.D.
Assistant Professor, Quantitative Methods


Meena P.L. (2016, Jun.). Innovation and supply chain optimization based on production and market potentials in the Dominican Republic and the USA. Keynote Speaker and Panelist at the National Supermarket Association (NSA) and American Chamber of Commerce of the Dominican Republic (AMCHAMDR), New York, N.Y. http://www.globalfoundationdd.org/fulltext.asp?t=a&id=9369


Joanne L. Scillitoe, M.B.A., Ph.D.
Associate Professor of Entrepreneurship, Management; Academic Director, Center for Entrepreneurial Studies


Scillitoe J.L., Poonamallee L., Joy S. (2016, Sep.). Venture Technological Innovation, Social Value and Economic Value: The Influence of Customer-

Shaya Sheikh, Ph.D.
Assistant Professor, Quantitative Methods


Steven Shapiro, Ph.D.
Professor, Finance


Amr Swid, Ph.D.
Assistant Professor, Management

III. Honorees and Awardees

Peter Harris, MBA, CFA, CPA, CMA, CIA
Professor, Accounting


*Outstanding Research Award* for the paper entitled: Corporate Accounting Malfeasance: An Overview, presented by the Institute of Business and Finance Research, Hawaii, Jan., 2016.

*Outstanding Research Award* for the paper entitled: A Case Study in Fraud Prevention: Charlene Corley, presented by the Institute of Business and Finance Research, Costa Rica, May, 2016.

*Silver Award* presented by the Institute of Business and Finance Research, for continuous outstanding research for five consecutive years, Costa Rica, May, 2016.

Purushottam L. Meena, Ph.D.
Assistant Professor, Quantitative Methods


*Editorial Board Member*: International Journal of Supply Chain and Inventory Management, Inderscience publication 2016; ISSN print: 2054-099X.

*Editorial Board Member*: International Journal of Complexity in Applied Science and Technology, Inderscience publication 2016; ISSN print: 1740-0546.

*Editorial Board Member*: Latin American Journal of Management for Sustainable Development, Inderscience publication 2016; ISSN print: 2052-0336.


*Editorial Board Member*: International Journal of Collaborative Intelligence, Inderscience publication 2016; ISSN print: 2051-7122.


*Editorial Board Member*: International Journal of Remanufacturing, Inderscience publication 2016; ISSN print: 1758-7964.

*Editorial Board Member*: International Journal of Automation Logistics, Inderscience publication 2016; ISSN print: 2049-6745.
Amr Swid, Ph.D.
Assistant Professor, Management

Presidential Excellence Award for Student Engagement in Global Education. NYIT’s Presidential Engagement Awards recognize faculty and staff who have made major contributions to NYIT by increasing engagement with our students via teaching, research and service effort.

School of Management Adjunct Faculty Leadership Award. A special leadership role with the Adjunct Faculty Council (AFC) by developing and implementing an infrastructure for teaming adjuncts interested in engaging in scholarly research and writing with full-time faculty who will serve as their mentors. Role modelled and mentored Adjunct Professors on their project entitled “The Challenges facing the Adjunct Professor in Onboarding and Integrating International Students into the Classroom.”

Membership Award in the International Academy of Business and Economics 2016. Award by the editorial board in appreciation for the contribution to IABE’s mission of the advancement of research through the international exchange of ideas.
IV. Grant Recipients—Externally Sponsored

Deborah Y. Cohn, Ph.D.
Associate Professor, Marketing

Joshua E. Bienstock, J.D., L.L.M.
Assistant Professor, Law

A Cross Country Comparison of Digital Social Media in The Workplace: Israel and the US.
Mallah Family Foundation.

A Four-Country Comparison of Digital Social Media in the Workplace.
Albert and Pearl Ginsberg Foundation Inc.

The Influence of Digital Social Media Networking Services on Workplace Harmony and Conflict.
Albert and Pearl Ginsberg Foundation Inc.

Rakesh Mittal, Ph.D.
Assistant Professor, Human Resource Management

Joshua E. Bienstock, J.D., L.L.M.
Assistant Professor, Law

Influence of Leader Behavior on Work-Home Balance of Followers and their Life Satisfaction.
Mallah Family Foundation Inc.
Birasnav Muthuraj, Ph.D.  
Assistant Professor, Quantitative Methods

Joshua E. Bienstock, J.D., L.L.M.  
Assistant Professor, Law

Antecedents and Outcomes of the Relationship between Collaborative Communication and Organizational Learning. Mallah Family Foundation.

Amr Swid, Ph.D.  
Assistant Professor, Management

Joshua Bienstock, J.D., L.L.M.  
Assistant Professor, Law

International Students’ Adjustment to US Universities: A Personality and Cultural Approach.  
Mallah Family Foundation Inc.
V. Grant Recipients—Internally Sponsored

Joshua E. Bienstock, J.D., L.L.M.
Assistant Professor, Law

Co-Principal Investigator. ISRC Grant.

Eun-Ho Cho, Ph.D.
Assistant Professor, Accounting, Nanjing

Feasibility study of enhancing the value-chain of Zhejiang Le Sueur Vidie Co. Ltd. by relocating part of its production processes from Shaoxing, Zhejiang Province in the east coast to a duty-free economic zone (Dongxing) in Guanxi Province on the west coast which borders between China and Vietnam.
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Keh Kwek, M.B.A.
Associate Campus Dean, Nanjing, Assistant Dean, School of Management, Nanjing & Beijing & Assistant Professor, Finance, Nanjing

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Michelle Liu, Ph.D., CPA
Assistant Professor, Accounting

Are Company Investigations of Financial Fraud Worth the Cost?
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Zhou Lu, Ph.D.
Associate Professor, Economics, Nanjing

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Purushottam L. Meena, Ph.D.
Assistant Professor, Quantitative Methods

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Assistant Professor, Human Resource Management


Co-Principal Investigator. ISRC Grant.

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Principal Investigator. ISRC Grant.

Birasnav Muthuraj, Ph.D.
Assistant Professor, Quantitative Methods


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I. Authors

Amy Colvin, MSED, JD.
Teacher and Counselor, Vocational Independence Program


Gina Frisina, M.S.Ed.
Director, Independent Living, Vocational Independence Program


Kelly Imperial, M.S., M.B.A. Candidate
Director of Employment Training Services, Vocational Independence Program


Carol Jockle, M.S.
Teacher and Counselor, Vocational Independence Program


Erin Vlasak, M.S.
Director of Student Support Services, Vocational Independence Program

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Director of Instructional Technology and Registration,
Vocational Independence Program

“The most beautiful experience we can have is the mysterious. It is the fundamental emotion that stands at the cradle of true art and true science”

—Albert Einstein
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