

NEW YORK CITY
COLLEGE OF TECHNOLOGY
285 JAY STREET
BROOKLYN, NY 11201

SCHOLARSHIP ON CAMPUS 2023-2024



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CITY TECH'S RE-ENVISIONED RESEARCH ENTERPRISE ASPIRATIONS



City Tech is uniquely positioned to understand and address critical issues relevant to the city, state and world, and to facilitate successful pathways for existing and emerging talent. An integrated research and creative works organization and infrastructure will manifest in effective and sustainable impacts to facilitate our solving the most pressing regional and global issues. Through an innovative,

strategic framework, we will focus our efforts on strengthening the vibrant discovery, creative works, and innovation ecosystem across the college; we will gain renown as a national and global leader in public impact research; we will cultivate the next generation of diverse scholars and thinkers; and our efforts will culminate in important societal and economic impacts.

Best Regards,

A handwritten signature in black ink that reads "Blake".

Reginald Blake
Associate Provost
Dean of Curriculum & Research



Vision

Design a vibrant research and innovation ecosystem of scholarly and creative works that is flexible and increases our reputation as a world-class urban research center/college with broad societal impacts.

Mission

To nurture researcher talent by giving researchers the resources, infrastructure, and supports that they need to do innovative high-impact research; assure funders that research is conducted with integrity and compliance; and to create pathways for City Tech discoveries to impact the world.

Values

Integrity, excellence, inclusion, collaboration, innovation, societal impact

Five Strategic Pillars

- Invest-in and empower our researchers, scholars, innovators, and entrepreneurs
- Gain renown as a leader in public-impact convergence research
- Strengthen the research and innovation infrastructure
- Accelerate the translation of discoveries for economic and societal impact
- Aggressively seek funding from all sources (internal, external, local, federal, private)

RESEARCH COUNCIL

ACTIVITIES



To advance these aspirations, AP Blake announced the inauguration of City Tech’s Research Council and described some of its objectives: to coordinate research support activities under one umbrella; to change the landscape and culture of research at City Tech while retaining focus on the robust involvement of our students; to facilitate growth in funding, encourage proposal submissions, support proposal excellence, and coordinate with overall institutional goals; to encourage a pipeline of ideas and abstracts so proposals are in the pipeline when solicitations come available; to conduct a survey of needs and ideas from the college community; to foreground, highlight and celebrate scholarly activities and accomplishments; to garner and encourage student participation; to act as a single institution in surfacing and encouraging priority research efforts; to explore how to better support research and creative activity; and to disseminate and create opportunities to present

and discuss with colleagues, such as a newsletter, expanded web presence, roundtable, and other venues for the exchange of ideas and for collaboration.

In the past two years, the Research Council organized a series of grant-writing workshops, developed an expanded draft website, initiated the Community Roundtable for exchange of ideas and feedback, begun a department liaison initiative, and inaugurated an annual publication and expanded annual celebration of scholarship on campus.

Moreover, under the auspices of the Research Council, City Tech established an MOU with the Brookhaven National Laboratory and has begun to work on a new MOU with the New York State Department of Environmental Conservation. An alliance with the National Center for Atmospheric Research was formed, and a stronger (more minding) partnership with CUNY’s Advanced Science Research Center was initiated.

RESEARCH COUNCIL

MEMBERS 2023-2024



Justin Vazquez-Poritz, Dean of Arts & Sciences

Maureen Archer-Festa, Dean of Professional Studies

Gerarda Shields, Dean of Technology & Design

Viviana Acquaviva

Ralph Alcendor

Marzieh Azarderakhsh

Illya Azaroff

Ann Delilkan

Jeannette Espinoza

Javiela Evangelista

Andrea Ferrogli

Gaffar Gailani

Evgenia Giannopoulou

Patricia Gorkhover

Katherine Gregory

Sitaji Gurung

Roman Kezerashvili

Pegah Khosravi

Khalid Lachheb

Sean Macdonald

A. F. Patricia Medina

Benito Mendoza

David Micklos

Nazanin Hedayat Munroe

Hamidreza Norouzi

Giovanni Ossola

Diana Samaroo

David Sanchez Jimenez

Subhendra Sarkar

Jeremy Seto

David Smith

Johann Thiel

Daniela Vladutescu

Dan Wong

SCHOLAR ON CAMPUS

2023-2024



The Scholar on Campus is awarded annually to a faculty member demonstrating exceptional scholarship contributions to the community. Founded in 1983, this program was administered by the PDAC. The biographical sketches of past Scholars on Campus and highlights of their scholarly achievements may be viewed at [Scholar on Campus](#).



Dr. Giovanni Ossola is a theoretical physicist whose research has significantly contributed to the field of high-energy particle physics. He obtained his Ph.D. in Theoretical High Energy Physics in 2004 at New York University under the guidance of Professor Alberto Sirlin, a renowned expert in the study of electroweak interactions. Before joining the Physics Department at New York City College of Technology in 2008, he held postdoctoral research positions at the University of Turin, Italy, and at the NCSR “Demokritos” Institute of Nuclear and Particle Physics in Athens, Greece.



Dr. Ossola's notable contributions to the research in particle physics include the development of the OPP (Ossola-Papadopoulos-Pittau) method, a new approach which greatly simplifies the calculation of complex multi-leg Feynman diagrams, a crucial tool for evaluating scattering amplitudes and comparing them with the experimental outcomes of particle interactions as studied at the Large Hadron Collider (LHC). Located at CERN in Switzerland, the LHC is the world's largest and most powerful particle accelerator, capable of accelerating particles to nearly the speed of light and colliding them with immense energy. Physicists use the LHC to study the fundamental building blocks of matter and the forces that govern their interactions, allowing them to explore the mysteries of the universe at the smallest scales, including the search for new particles and the study of the properties of the Higgs boson. The OPP method has had a significant impact on particle physics research, making its way into current Quantum Field Theory textbooks.

Dr. Ossola has also contributed to the development of open-source computational tools for the evaluation of scattering amplitudes, publicly available to the whole particle

physics community, such as CutTools (2008), Samurai (2010), and GoSam (2012-2016) and applied them to obtain testable predictions for numerous processes of interest in the study of electromagnetic, weak, and strong interactions, such as "QCD Corrections to Higgs Boson Production Plus Three Jets in Gluon Fusion" (Physical Review Letters, 2013) or "Associated production of a top pair and a Z boson at the LHC" (Journal of High Energy Physics, 2017). Dr. Ossola has published over 40 articles in refereed journals, plus numerous conference proceedings. His body of work has earned more than 7000 citations. He has received numerous awards and grants in recognition of his contributions. Over the years at City Tech, he won four NSF research grants in particle physics (three as the PI and one as co-PI) and numerous PSC-CUNY awards, attesting to the high quality and significance of his research.

Dr. Ossola is a faculty member of the CUNY Graduate Center, where he has been teaching Quantum Mechanics for the first-year students since 2015 and has mentored several graduate students, including Ray Sameshima, a CUNY graduate student who successfully defended his thesis in 2019 under Ossola's guidance.



Dr. Ossola is also the coordinator of the Qualifying Exam which all first-year graduate students at the CUNY Graduate Center must take before starting their research work.

In addition to his research contributions, Dr. Ossola has had a significant impact on the education of students at City Tech, by providing mentoring in undergraduate research, advisement, and high-quality teaching. He played a crucial role in the development of the bachelor program in Applied Computational Physics (ACP), which empowers students with the skills and knowledge needed to excel in a wide range of computational applications. The problem-solving and coding skills taught in the ACP program have applications that go beyond physics research, in a variety of industries as well as in finance. As the ACP program director and coordinator, he is an important presence and point of reference in the students' educational paths.

Education:

PhD, New York University, Theoretical Physics (2004)

MS, New York University, Physics (2001)

Laurea, Università degli Studi di Torino (Italy), Physics (1998)

Research Interests:

Theoretical Particle Physics, Phenomenological predictions of the Standard Model, Numerical Techniques for the evaluation of Scattering Amplitudes

[Read Giovanni Ossola's CV](#)

NEW GRANTS

FY 2024 TO DATE



Viviana Acquaviva | Simons Foundation | Awarded \$139,770

From Galaxy Evolution to Climate Models

Reginald Blake and Hamidreza Norouzi | National Science Foundation | \$491,069

GEOPATHS-UP: Recruiting and Retaining Nongeoscience Minority STEM Majors for Geoscience

Reginald Blake, Hamidreza Norouzi, and Diana Samaroo | Robinhood Foundation | Awarded \$400,000

Responding to Learning Loss

AKM Rahman | HERO X/ NASA | Awarded \$49,150.00

Geocrete for fully depolayble in-situ construction

Gerarda Shields and Hamidreza Norouzi | New York University/U.S. Department of Transportation | Awarded \$48,000.00

University Transportation Centers Program Connected Communities for Smart Mobility

Charlotte Welker | LSST Corp | Awarded \$142,580.00

LSST Catalyst Fellowship

Charlotte Welker | National Science Foundation | Awarded \$223,210.00

LEAPS-MPS: Where galaxies keep their cool in the heat:

A Pathfinder to detect cool cosmic gas filaments and their effects on galaxy properties in clusters

Charlotte Welker | National Radio Astronomy Observatory | Awarded \$39,975.00

Student Support

Huseyin Yuce, | Oak Ridge Institute for Science and Education | Awarded \$100,000.00

Economical Impact of COVID-19 and Optimal Vaccination Distribution at County Level in the U.S.

Mai Zahran | National Science Foundation | Awarded \$877,973.00

Beginnings: Introducing Molecular Modeling Experiences to Underrepresented Students

CONTINUING GRANTS

2023-2024



Viviana Acquaviva | PFOUND/Simons Foundation | Awarded \$139,770.00

From Galaxy Evolution To Climate Models

Marzi Azarderakhsh | NPORG/Ausable River Association | Awarded \$100,000.00

Survey Of Climate Change (Scale)

Sidi Berri | NSF/Computer & Information Science & Engineering | Awarded \$28,177.00

Collaborative Research: Research Infrastructure: CCRI:New: Data-Driven Cybersecurity Research Infrastructure for Smart Manufacturing

Christopher Blair | NSF/Biological Sciences | Awarded \$440,973.00

RUI: Partial lizard genomes and new analytical tools provide a novel conceptual framework for understanding biogeographic patterns throughout the deserts of western North America

Reginald Blake | NSF/Geosciences | Awarded \$590,500.00

REU Site: Research Experience for Undergraduates in Satellite and Ground-Based Remote Sensing at NOAA-CREST: Expanded Opportunities

Reginald Blake | NSF/Geosciences | Awarded \$277,769.00

GEOPATHS-UP: Recruiting and Retaining Non-geoscience Minority STEM Majors for Geoscience Service Learning and for the Geoscience Workforce

Reginald Blake | NSF/Geosciences | Awarded \$213,300.00

GEOPATHS-UP: Recruiting and Retaining Non-geoscience Minority STEM Majors for Geoscience Service Learning and for the Geoscience Workforce

Reginald Blake | PUBFND/Robin Hood Foundation | Awarded \$750,000.00

Responding to Learning Loss



Reginald Blake | EDINST/Columbia University | Awarded \$209,197.00
Implementing Novel Solutions

Matthew Brittain | DYCD/NYC Department of Youth And Community Development | Awarded \$40,795.00
CUNY Career Launch- City Tech STEM RA

Matthew Brittain | PFOUND/Pinkerton Foundation | Awarded \$9,483.00
College Now STEM Research Academy

Matthew Brittain | PFOUND/Bill And Melinda Gates Foundation | Awarded \$2,070.92
Enhancing Dual Enrollment Access & Policy

Pamela Brown | NYSED/Office of Higher Education | Awarded \$488,910.00
Science And Technology Entry Program

Pamela Brown | NYSED/Office of P-12 Education | Awarded \$139,252.00
Smart Scholars Echs Partnerships-2nd Coh

Pamela Brown | NYSED/Office of Higher Education | Awarded \$425,503.00
CSTEP

Pamela Brown | NYSED/Office of P-12 Education | Awarded \$2,014,512.00
Perkins V

Pamela Brown | COUNCI/NYC City Council | Awarded \$130,120.00
Middle Schools Visits - City Tech

Shermira Busby | DOL/Employment and Training Administration | Awarded \$880,030.00
Strengthening Community Colleges

Shermira Busby | NYCHA/NYC Housing Authority | Awarded \$119,999.00
HIRENYCHA Maintenance Buildings Training

Shermira Busby | NYCHA/NYC Housing Authority | Awarded \$192,219.75
Caretaker H Training

Fausta Campusano | NYCHRA/NYC Human Resource Administration | Awarded \$346,531.00
NYC/HRA/CUNY EDGE Program/NYC TECH

Soyeon Cho | NYSOMH/NYS Office of Mental Health | Awarded \$44,444.00
Medicaid's Federal Medical Assistance Pe...



Urmi Duttgupta | New Scholars in Science Technology Engineering and Mathematics NSF/Education & Human Resources | Awarded \$999,625.00
Engaging Empowering and Retaining

Gaffar Gailani | NSF/Education & Human Resources | Awarded \$569,635.00
Technician Training for Advanced Manufacturing and Materials

Gaffar Gailani | NASA/Shared Services Center | Awarded \$469,364.00
IPA-NASA MUREP

Gilberto Gerena | NYSED/Office of Adult Career and Continuing Education Services | Awarded \$297,752.00
WIOA Title II Welfare Education Program

Gilberto Gerena | NYSED/Office of Adult Career and Continuing Education Services | Awarded \$415,958.00
Workforce Investment Act

Gilberto Gerena | MAYOR/NYC Office of the Mayor | Awarded \$297,752.00
NYC Adult Literacy Program

Katherine Gregory | PCORP/Con Edison | Awarded \$36,414.00
GAS Safety Training BPL

Nadia Kennedy | NYSED/Office of P-12 Education | Awarded \$1,500.00
My Brother's Keeper Teacher Opportunity

Nadia Kennedy | PUBFND/Robin Hood Foundation | Awarded \$40,102.70
Computational Thinking For Educators

Jinwon Kim | FORHED/Academy Of Korean Studies | Awarded \$10,400.00
New Black Korean Relations Global Racism

German Kolmakov | NSF/Engineering | Awarded \$250,000.00
PFI-TT: Prototyping a quantum-powered AI building platform

German Kolmakov | DOD/Military Departments | Awarded \$799,931.00
Optical Quantum Networks

Boyan Kostadinov | QGOV/Oak Ridge Institute For Science and Education | Awarded \$50,000.00
DHS Summer Research



Xiangdong Li | DOD/Military Departments | Awarded \$135,231.00

EQMT-Support Student- Computer Forensics

Lili Ma | NSF/Computer & Information Science & Engineering | Awarded \$79,995.00

Collaborative Research: CISE-MSI: DP: CNS: An Edge-Based Approach to Robust Multi-Robot Systems in Dynamic Environments

Benito Mendoza | EDINST/Northeastern Illinois University | Awarded \$87,320.85

Information Systems Hispanic Populations

Hamidreza Norouzi | NSF/Technology Innovation and Partnerships | Awarded \$50,000.00

I-Corps: Using Remote Sensing and Geospatial Data for Informed Climate Adaptation Mitigation Resiliency and Environmentally Friendly Solutions

Hamidreza Norouzi | DOE/Office of Science | Awarded \$88,445.00

Sustainable DOE Partnerships To Advance

Kenneth Parker | USED/Office of Postsecondary Education | Awarded \$249,996.00

Connect the Dots: STEM

Akm Rahman | NASA/Shared Services Center | Awarded \$5,773.00

Customer Identification For Fully

Akm Rahman | PCORP/HEROX | Awarded \$49,150.00

Geocrete for In-Situ Construction

Anthony Ruvio | DCAS/NYC Department Of Citywide Administrative Services | Awarded \$22,283.03

CUNY SPS Energy Management

Anthony Ruvio | NPORG/BNY MELLON FOUNDATION | Awarded \$341,973.79

NYC Future of Work Initiative

Debra Salomon | NYSDOL/NYS Department of Labor | Awarded \$158,615.31

Education Stabilization Fund: Reimagine

Kwesi Samuels | PFOUND/Morgan Stanley Foundation | Awarded \$9,898.00

CUNY ASAP: Equity in Education

Jeremy Seto | NSF/Education & Human Resources | Awarded \$19,883.00

Developing Foundations for Nanopore DNA Sequencing Course-based Undergraduate Research Experiences at Minority-Serving Institutions



Fangyang Shen | NSF/Education & Human Resources | Awarded \$886,560.00
Enhanced Noyce Explorer Scholar and Teacher Development for High-Need Schools in New York City

Shelley Smith | USED/Office of Postsecondary Education | Awarded \$599,996.00
STEM Success Collaborative

Euisuk Sung | PUBFND/Robin Hood Foundation | Awarded \$26,974.11
Computational Thinking for Educators

Melanie Villatoro | NSF/Education & Human Resources | Awarded \$1,499,481.00
Developing an Ecosystem of STEM Success for Built Environment Majors

Charlotte Welker | NSF/Mathematical & Physical Sciences | Awarded \$223,210.00
LEAPS-MPS: Where galaxies keep their cool in the heat: A Pathfinder to detect cool cosmic gas filaments and their effects on galaxy properties in clusters

Charlotte Welker | NPORG/LSST Corporation | Awarded \$142,580.00
LSST Catalyst Fellowship

Wendy Woods | USED/Office of Postsecondary Education | Awarded \$490,597.00
Early Start And Extended Hours

Mai Zahran | NSF/Technology, Innovation and Partnerships | Awarded \$877,973.00
Beginnings: Introducing Molecular Modeling Experiences to Underrepresented Students

NEW PSC-CUNY AWARDS

2024-2025



Enhanced Awards will be announced mid-May. Traditional A and B Awards follow:

Professor Viviana Acquaviva | Physics Department | Awarded \$5,992.00
Improved evaluation methods for global climate models

Professor Alyssa Adomaitis | Business Department | Awarded \$6,000.00
Dress and Identity: A Further Understanding of Intersectionality Theory

Professor Ralph Alcendor | Biological Sciences Department | Awarded \$3,500.00
Examining the Oxidative Stress Potential of Cinnamon Spiced Rum

Professor Nora Almeida | Library Department | Awarded \$5,988.88
Open Water

Professor Marzieh Azarderakhsh | CMCE Department | Awarded \$3,499.00
Investigating the Impact of Climate Change on Water Quality through the Lens of Landsat Historical Satellite Data

Professor Nina Bannett | English Department | Awarded \$4,512.00
Following Her Footsteps: U.S. Women Writers, Walking, and Feminism

Professor Allison Berkoy | Entertainment Tech Department | Awarded \$3,500.00
Human-machine Performances: the boundaries and etiquette of human computer interaction within physical-digital environments

Professors Debarati Biswas (African American Studies) and Laura Westengard (English Department) | Awarded \$5,999.20
Unbearable Being(s)

Professor Megan Behrent | English Department | Awarded \$6,000.00
Poetry and Politics: Audre Lorde, Adrienne Rich and the Women's Liberation Movement



Professor Soyeon Cho | Human Services Department | Awarded \$5,750.00

Culturally Sensitive Approach to Family Caregivers of Dementia Patients: Qualitative Study

Professor Ines Corujo-Martin | Humanities Department | Awarded \$3,500.00

The Embroidered Chinese Shawl: Global Connections, Identity, and Material Culture in the Hispanic World

Professor Todd Craig | African American Studies Department | Awarded \$6,000.00

Hey, What's That Sound...?': Sonic Scholarship and Multimodal Publication Praxis"

Professor Mery Diaz | Human Services Department | Awarded \$6,000.00

"Tracing the Future Thinking of Ecuadorian Youths in Times of Polycrisis"

Professor Ruth Garcia | English Department | Awarded \$3,499.00

Finding an Immigrant Family's Past: A Memoir Inspired by My Chinese-Cuban Grandfather's

Professor Samaneh Gholitabar | CMCE Department | Awarded \$2,997.60

Climate Change Impact on Bridge Scour Risk in NY State: A GIS-Based Risk Analysis Model

Professor Carrie Hall | English Department | Awarded \$3,500.00

The Boredoms: The Politics of (not) Paying Attention

Professor Carole Harris | English Department | Awarded \$6,000.00

Talking Back: Maryat Lee and Flannery O'Connor on the Southern Code of Manners

Professor Kevin Hom | Architectural Technology Department | Awarded \$5,938.70

How Cities Can Address Climate Change in a Post Pandemic World

Professor Tina Kao | Social Sciences Department | Awarded \$3,499.99

Behavioral and Neural Effects of Varying Visual Feedback during Transitive Inference (TI)

Professor Nadia Kennedy | Mathematics Department | Awarded \$3,500.00

"Mathematics Teacher Identity: The Use of Videos in Preservice Teachers' Reflections and Professional Identity Development"

Professor Jinwon Kim | Social Sciences Department | Awarded \$3,500.00

Conflicts Between Korean immigrants and Joseonjok (Korean Chinese) in Flushing

Professor Paul King | Architectural Technology Department | Awarded \$5,979.21

Roebbling before the Brooklyn Bridge, 3d Printed Engineering Studies

Professor Nan Li | Mathematics Department | Awarded \$5,761.00

Curvature and Singular Spaces

Professor Xiangdong Li | Computer Systems Technology Department |



Awarded \$5,992.00

Analyze quantum compilation of a small-scaled universal quantum computational device with hybrid architecture

Professor Kim Mahase | Electrical Engineering Department | Awarded \$3,500.00

Interdisciplinary Approaches in Engineering Education: Assessing the Long-term Impact of Integrated STEM Programs on Workforce Readiness

Professor Alberto Martinez | Chemistry Department | Awarded \$3,500.00

In vitro evaluation of multi-target caffeic acid and resveratrol derivatives as potential chemotherapeutic agents for Alzheimer's disease

Professor Ariane Masuda | Mathematics Department | Awarded \$3,500.00

The cycle structure of permutation polynomials over finite fields

Professor Mark Noonan | English Department | Awarded \$4,512.00

Revolutionary Ink: New York Colonial Printers and the Promise of Democracy

Professor Noemi Rodriguez | Health Sciences Department | Awarded \$5,847.46

Family Meals and Childhood Obesity Prevention: A Meta-analysis

Professor Jennifer Sears-Pigliucci | English Department | Awarded \$4,512.00

The Last Third of the Night (A novel)

Professor Benjamin Shephard | Social Sciences Department | Awarded \$3,500.00

The Clash Soundscape

Professor Sarah Standing | Humanities Department | Awarded \$3,500.00

Eco Activism in the Global South

Professor Thomas Tradler | Mathematics Department | Awarded \$4,512.00

Computing local Poincare Duality for Lens Spaces

Professor Sara Wooley | Communications Design Department | Awarded \$3,500.00

Los Pirineos the Mostly True Memoirs of Esperancita Gómez, Final Art

PSC CUNY AWARDS

2023-2024



Professor Ralph Alcendor | Biological Sciences | Awarded \$3500.00

Examining the Oxidative Stress Potential of Cinnamon Spiced Rum

Professor Nora Almeida | Library Department | Awarded \$5,988.88

Open Water

Professor Megan Behrent | English Department | Awarded \$6,000.00

Poetry and Politics: Audre Lorde, Adrienne Rich and the Women's Liberation Movement

Professor Monica Berger | Library Department | Awarded \$3,499.50

The Scholarship of Rock Music: Knowledge Mapping through Bibliography

Professor Allison Berkoy | Entertainment Tech Department | Awarded \$3,500.00

Your Brain is an Egg Yolk in an Egg Shell

Professor Oleg Berman | Physics Department | Awarded \$6,000.00

Multi-Qubit Quantum Entanglement of Excitons

Professor Oleg Berman | Physics Department | Awarded \$6,000.00

Plasmons in the gauge fields in two-dimensional materials

Professor Candido Cabo | Computer Systems Technology Department | Awarded \$3,500.00

Multichannel modulation of ion channels to decrease action potential heterogeneity in the heart: A computational study

Professor Sandra Cheng | Humanities Department | Awarded \$3,500.00

Publication Subvention for Ugly Lines: The Visual Culture of Caricature in Early Modern Italy



Professor Christopher Bowers | Dental Hygiene Department | Awarded \$3,282.50

Comparison of Pain Perception of Local Anesthesia Injected via Traditional Syringe vs. Computerized Local Anesthesia Delivery System

Professor Ines Corujo-Martin | Humanities Department | Awarded \$3,500.00

Global Connections, Material Exchanges, and Identity: The Embroidered Chinese Shawl in the Hispanic World

Professor Javiela Evangelista | African American Studies Department | Awarded \$3,500.00

Proximities of Being: Citizen fay one, foreigner the next in Dominican Republic

Professor George Garrastegui | Communication Design Department | Awarded \$3,495.13

Works in Process: Documenting the hows and whys of creative work

Professor Boris Gelman | Physics Department | Awarded \$1,670.00

Effective field theory of near-threshold hadronic and nuclear resonances

Professor Anita Giraldo | Communication Design Department | Awarded \$3,500.00

Finding the Sky (continued)

Professor George Guida | English Department | Awarded \$3,500.00

Virtue at the Coffee: Poetry and Community in Contemporary America

Professor Ivan Guzman | Civil Engineering Department | Awarded \$3,489.80

A Construction Cost and Greenhouse Emission Analysis of the Use of Recycled Fabric for Reinforcement in Pavement Soils

Professor Carrie Hall | English Department | Awarded \$3,499.47

The Boredoms: The Politics of (not) Paying Attention

Professor Kevin Hom | Architecture Department | Awarded \$5,866.72

The Future of Cities: Post Pandemic

Professor Jennifer Hoyer | Library Department | Awarded \$3,500.00

Armed By Design: Posters and Publications of Cuba's Organization of Solidarity of the Peoples of Africa, Asia, and Latin America (OSPAAAL)

Professor Nadia Kennedy | Mathematics Department | Awarded \$3,500.00

The Role of Critical Incidents in the Construction of Teacher Professional Identity

Professor Roman Kezerashvili | Physics Department | Awarded \$3,500.00

Three-body Nuclear Systems with Strangeness -3 and -6



Professor Changkyu Kim | Computer Engineering Department | Awarded \$5,364.95
Theoretical Optimality of Coordination in Multi-Agent Reinforcement Learning

Professor Jinwon Kim | Social Sciences Department | Awarded \$6,000.00
New Black-Korean Relations, Conflicts, and Solidarity in an Era of Global Media

Professor German Kolmakov | Physics Department | Awarded \$3,500.00
Harnessing light-matter interactions for quantum sensing

Professor Anne Leonhardt | Architecture Department | Awarded \$3,490.07
Architectural Form: Topological Explorations in Surface Design: A History of Digitalization of the Design of the Built Environment

Professor Nan Li | Mathematics Department | Awarded \$5,824.00
Curvature Measures on Spaces with Lower Curvature Bound - II

Professor Xiaohai Li | Computer Engineering Department | Awarded \$3,500.00
Cross Analysis & Bilateral Recognition of Emotional Disturbance on Social Media for Preventing School Shooting

Professor Lili Ma | Computer Engineering Department | Awarded \$6,000.00
Human-Aware Multi-Robot Cooperative Target Tracking

Professor Zory Marantz | Electrical Engineering Department | Awarded \$6,000.00
Effectiveness of HyFlex courses in engineering technology programs

Professor Ariane Masuda | Mathematics Department | Awarded \$3,500.00
Involutions over Finite Fields

Professor Diana Mincyte | Social Sciences Department | Awarded \$3,500.00
The Aesthetics of Sustainability: Tasting Difference on the Frontiers of Europe

Professor Nazanin Munroe | Business Department | Awarded \$3,500.00
Stories of Immigrant Labor in Global Textile and Clothing Production

Professor Akm Rahman | Mechanical Engineering Department | Awarded \$3,450.00
Hydrocalcite infused Geopolymer for CO₂ Capture

Professor Juan Rivera-Correa | Biological Sciences Department | Awarded \$6,000.00
The Role of Epstein-Barr Virus (EBV) - malaria coinfections in promoting autoimmune pathologies in patients.

Professor Noemi Rodriguez | Health Sciences Department | Awarded \$5,130.00
Food Purchases Among Children Aged 11 to 17 Years Exposed to Family Meals by Obesity Status



Professor Alba Rossi-George | Social Sciences Department | Awarded \$3,500.00
Effects of Copper in Staphylococcus aureus-activated BV2 microglia

Professor Subhendra Sarkar | Radiologic Technology Department | Awarded \$5,999.87
X-ray imaging to map native metal reorganization in mineral-rich fruit samples in presence of excess Copper to test and model Copper induced bactericidal mechanism

Professor Hans Schoutens | Mathematics Department | Awarded \$4,551.00
Determining the Natural Numbers in a Category

Professor Christopher Swift | Humanities Department | Awarded \$3,500.00
Subvention for Publication: Ritual, Spectacle, and Theatre in Late Medieval Seville

Professor Charlotte Welker | Physics Department | Awarded \$5,866.92
Where galaxies keep their cool in the heat: a hybrid framework to detect cool cosmic filaments in the densest regions of the Universe

Professor Sara Woolley | Communication Design Department | Awarded \$3,500.00
Los Pirineos the Mostly True Memoirs of Esperancita Gómez, artist-in-residency

Professor Jieun Yang | Architecture Department | Awarded \$3,500.00
Layers of Territory: Capturing Gowanus' Pre-Transformation through Odd Lots

ANNUAL POSTER SESSION - FALL 2023

ONE-MINUTE FACULTY POSTER PRESENTATIONS



Sitaji Gurung - *Metabolic Syndrome and Cigarette Smoking as Cardiovascular Risk Factors and Their Association with Detectable Viral Load Among Youth Living with HIV: A Multi-Site Study of Electronic Health Records*

Juan Rivera-Correa - *Investigating the Influence of Co- infection with Soil-Transmitted Helminths (STH) or Epstein-Barr Virus (EBV) on Humoral Autoimmunity in Malaria*

Nazanin Munroe - *Sufi Lovers, Safavid Silks, and Early Modern Identity*

Ivana Radivojevic Jovanovic - *Reduction of Peritectate by Chemical and Photochemical Approaches and Incorporation of Tc(IV) into Titanium Dioxide*

Aparicio Carranza - *Comprehensive Study on Cloud Computing Security Threats and Preventive Measure*

Diana Samaroo & Ivana Radivojevic Jovanovic - *Strategies to Improve Career Mentoring of Chemistry Undergraduates*

Lisa Pope Fischer - *Goulash Populism as Neo-Revitalization Movement: Political Ideology and Coping*

Hans Schoutens - *A Model of ZFC Inside the Category of Compact Hausdorff Spaces*

A. F. Patricia Medina - *The Neighbor Matrix: Feature Engineering Dimension reduction to Improve Machine Learning in 3D Point Clouds*

Alexander Rozenblyum & Satyanand Singh - *On the Pythagorean Reciprocal Identity $a^{-2} + b^{-2} = d^{-2}$ and the Generation of All Solutions for Fixed $d > 0$*

R. Ya. Kezerashvili - *Exactly Solvable Two-body Problem in Two-dimensional Quantum Mechanics*

Charlotte Welker - *Finding Fingerprints of Filaments with Galaxy Star Formation Histories*

Xavier Barreto Sotomayor - *Fabrication of 2D Semiconductor Materials by Exfoliation Method*

39TH SEMI-ANNUAL DR. JANET LIOU-MARK HONORS & UNDERGRADUATE RESEARCH SCHOLARS POSTER PRESENTATION FALL 2023 AWARD WINNERS



Aleesha Hafeez mentored by **Professor Cathy Santore**

The Influence of Hagia Sophia on Sixteenth-Century Mosque Architecture, Honors Scholars

Madelyn Kelly mentored by **Professor Tracy Zimmermann**

From Seed to Plate: The study of viable hydroponic plants for utilization in Culinary Labs at NYCCT, ESP

Daohong Qiu mentored by **Professor Satyandard Singh**

Probabilistic Application in Machine Learning for Real Estate, ESP

Guadelupe Gonzalez, Leron Hinds, Mathew Huiracocha, Somdat Kissoon, Richard Rohoman, & Shabik Sherchan mentored by **Professor Abdou Bah**

How will implementing ‘Green Buildings’ as the standard for newly and already built buildings help mitigate climate change?, CRSP, ID Course

Vanessa Robinson, Daler Djuraev, & Fatima Ahmed mentored by **Professor Subhendra Sarkar**

Secondary Electrons and Compton X-ray Generation in Solid and Heated Biological Samples in the Presence of Radiologic Contrast Media, CRSP

Amanda Padilla mentored by **Professor John McCullough & Leah Montesinos**

Revolutionizing the Stage: The impact of the revolving stage in “Hamilton”, CRSP

Jacqueline Palacios Aguilar, Divya Kaushal, Skilyon Leon, Nieran Peterson, & Jasmin De Santiago mentored by **Professor Reneta Lansiquot & Tamrah Cunningham**

Virtual Identity: Crossroads, ID Course

CITY TECH NEWS

FACULTY COMMONS NEWS & KUDOS

2023-2024



Following are submission of news and accomplishments that faculty shared during the past year with [Communications](#) and with [Faculty Commons](#). Faculty also keep scholarship reporting up to date in CUNYfirst, resulting in the [Annual Reports to CUNY](#) which are posted to [Faculty Commons](#) under Scholarship > Faculty Scholarship & Creative Work. This inaugural publication of **Scholarship on Campus** aspires to expand the dissemination and celebration of the scholarly, creative, and professional accomplishments of our City Tech community.

Viviana Acquaviva (Physics) published [Machine Learning for Physics and Astronomy](#) (Princeton University Press), a hands-on introduction to machine learning and its applications to the physical sciences that subsequently won the 2024 Chambliss Astronomical Writing Award from the American Astronomical Society. Professor Acquaviva is included in a recent report in [Lecce Prima Intelligenza Artificiale, sfida per i governi: astrofisica leccese nel comitato di esperti | Artificial Intelligence, a Challenge for Governments: Astrophysicists from Lecce in the Committee of Experts](#).

Alyssa Dana Adomaitis (Business & Technology of Fashion) co-authored “Impact of Sex in Luxury Fashion Advertisement on Brand Attractiveness and Identification” in the [Journal of Fashion Marketing and Management](#).

Lubie G. Alatryste (English) co-authored the article, “Teachers & Researchers Negotiating Data Sharing Sessions” in the [Journal of Applied Linguistics and Professional Practice](#), 11/2023. ([Read the abstract](#).) Professor Alatryste was a CUNY Provost Fellowship Inaugural Recipient for Fall 2023.



Benjamin F. Alexander (Social Science) published a book, *Ararat in America: Armenian American Culture and Politics in the Twentieth Century* (I. B. Tauris, 2023). ([Read details.](#))

Carlo Alvaro (Social Science) published two articles in *The Collector*: “[Is Right & Wrong a Matter of Perspective?](#)” where he laid out several reasons to believe that moral relativism is false, and “[The Problem of Evil](#)” on HAIAFE (Heaven Ab Initio Argument From Evil), a powerful argument against the existence of God.

Alexander Aptekar (Architectural Technology) led a successful effort to win a U.S. Department of Energy Zero Energy Design Designation for City Tech’s Bachelor of Architecture program. Our BArch program is one of 22 programs from 14 institutions nationwide to receive the designation in 2023, a recognition for college programs that prepare students for 21st century clean energy buildings careers. Read more about the [ZEDD program](#) and the collegiate programs receiving the designation.

Illya Azaroff (Architectural Technology) was a subject-matter expert and major contributor to the United States Department of Housing and Urban Development’s recently released Policy Development and Research Disaster Recovery Tool Kit “Designing for Natural Hazards: A Resilience Guide for Builders and Developers.” ([Read more.](#)) Professor Azaroff was quoted in [Governor Hochul’s press release on the New York State Climate Impacts Assessment](#).

Nina Bannett (English) has a new book of poems out this spring, *Motion Photos*, published by Finishing Line Press.

Ashwani Bedi and **Ramsey Dabby** (Architectural Technology) were recognized for their book, *Structure for Architects*, in a listing of the [Best Concrete Books of All Time](#) by BookAuthority. Professor Bedi was promoted this year to the position of Executive Director of Engineering at the New York City Department of Design and Construction. A graduate of City Tech, Pratt and NY Polytechnic, he has served as adjunct faculty in the Department of Architectural Technology since 2006.



Monica Berger (Library) Presented on predatory publishing at Memorial Sloan Kettering in June 2023. Her invited book chapter on pedagogical solutions to predatory publishing appeared in [Predatory Practices in Scholarly Publishing and Knowledge Sharing: Causes and Implications for Scholarship](#) by Routledge. ([Read the chapter.](#)) Professor Berger presented at the International Federation of Library Associations (IFLA), Rotterdam, on “Library Publishing in the Global South: Research in Progress.” An article based on the talk will be published in Spring 2024 in the journal *Zeitschrift für Bibliothekskultur* as part of a conference proceedings special issue. A PSC-CUNY Grant resulted in a presentation at the Northeast Popular Culture Association Conference on October 12, 2023, “[The Scholarship of Rock Music: Knowledge Mapping through Bibliography](#),” and an invitation to interview two scholars of rock music for [CUNY’s Indoor Voices](#), a scholarly book podcast.

Debarati Biswas (African American Studies) co-authored, “Rituals of Survival in Single-Room Occupancy Hotels,” published in *Social Text* (Duke University Press), one of the most prestigious journals in the Humanities and Social Sciences, on March 1, 2024. This article works with a definition of care that encompasses expansive models of kinship and collective and communal life. Specifically, it explores representations of such interdependencies in the liminal space of the single-room occupancy hotel (SRO) through the literary and artistic creations of two understudied African American artists. ([Read the abstract.](#))

Christopher Blair (Biological Sciences) co-authored a new paper that offers insights into desert lizards’ evolution and ways to preserve biodiversity. Contributors to the [study](#) in *Systematic Biology* included lead author Carlos J. Pavón-Vázquez, a former postdoctoral student, and second author Qaantah Rana, a former post baccalaureate student, as well as City Tech grad Jeevanie Lillah (BS, Biomedical Informatics) and current Biomedical Informatics major Mimi Zeng. ([Read more.](#))

Renata Bundy (Dental Hygiene) was featured on a podcast for the dental lab industry, *From Tight Pants to Milling Burs with Renata Budny & Paul Beck* ([listen here](#)) and was featured along with colleague, Khrystyna Vyprynyuk, in an editorial article about interprofessional collaboration in the [October issue of Inside Dental Technology](#). Professors Bundy and Vyprynyuk published two articles together this year: “[Preserving Oral Health](#)” in [Inside Dental Technology \(January/February 2024\)](#) and “[Restorative Materials and Maintenance Protocols](#)” in [Inside Dental Hygiene 20\(2\)13, Special Issue 1](#).



Mark Chiusano (English) was featured in the Guardian’s review of his book, *The Fabulist: The Lying, Hustling, Grifting, Stealing, and Very American Legend of George Santos*. “With detail and wry humor, Chiusano fillets his subject. The *Fabulist* is an amalgam of dish and supporting receipts, an ideal stocking stuffer for political junkies and voyeurs.” ([Read the review.](#)) Professor Chiusano wrote an article for *New York Magazine’s Intelligencer* on the 2024 Congressional Race, “[Jerry Nadler would like 10 More Years.](#)”

Inés Corujo Martín (Humanities) was selected for the CUNY Faculty Fellowship Publication Program 2023-24; published “La narrativa experimental de Elena Quiroga durante la posguerra española.” In *Mujeres y escritura subversiva durante el franquismo*, edited by Miguel Soler Gallo and Teresa Fernández Ulloa, Peter Lang, 2023, pp. 227-244. ISBN: 9783631902509; gave a presentation, “Vacío y maternidad en la obra cinematográfica de Carla Simón,” at the International Congress of the Hispanic Association of Gender and Sexuality Studies, Universidad Autónoma de Querétaro, México, October 2023; presented “The Rebozo, Fashion, and Cultural Identity,” *Add-Dressing the Margins: Historically Underrepresented Fashion and Style*, Association of Dress Historians, Drexel University, October 2023; presented “Latinx Self-Fashioning Practices in Academia as Resistance,” Latin American Studies Association International Congress, Pontificia Universidad Javeriana, Bogotá, Colombia, June 2024; gave an invited presentation, “Objetos de moda, cultural material y la construcción de la mujer moderna en la narrativa de Emilia Pardo Bazán,” Seminar: *Narrativas y cultural material en torno a la mujer moderna – Edad de Plata y Belle Époque*, Universidad de Sevilla, Spain, November 2023; was selected as a participant in Harvard University’s Institute for World Literature to be held at the University of Cyprus in summer 2024; and was appointed to the Executive Board of the Hispanic Association of Gender and Sexuality Studies, 2023-2025.

Todd Craig (African American Studies) has authored a new book “K for the Way”: *DJ Rhetoric and Literacy for 21st Century Writing Studies*, published by Utah State University Press. Professor Craig’s book explores the Hip-Hop DJ’s perspectives on writing, rhetoric, and literacy, and how these have influenced today’s educational system. Recognizing the DJ as the catalyst for the creation of Hip-Hop culture, the book explores how DJs have informed language and literature through their everyday practices. ([Read more.](#))



Douglas Davis (Communication Design) appears in the new 30-minute documentary, “Just Like Me,” which spotlights Black creatives’ contributions to culture, challenges faced due to the color of their skin, and the importance of representation in advertising and design. In the film, Professor and former department chair Davis notes that he didn’t have any professors of color. “I became all the things I didn’t see.” The film was reviewed in 3CR Third Coast Review. ([Read the review.](#))

Lynda Dias (Hospitality Management) Was quoted in Restaurant Business, in the article, “Hotel service fees can be hidden by confusing lingo: Consumers, the FTC and even President Biden are calling for more transparency around the mysterious charges that hotels tack onto guests’ bills.”

Philip DeMaiolo (Hospitality Management and NYC Health + Hospitals Executive Chef) was featured in The Remedy Podcast where he shared how his childhood inspired the delicious, comforting plant-based meals that are now being offered at NYC Health System hospitals. Listen to the episode, “[Food is Medicine.](#)”

Sidik Fofana (English) was featured in a CUNY podcast episode last summer discussing his debut short story collection about residents of a fictional building in Harlem, *Stories from the Tenants Downstairs*, published by Scribner in August 2022 and winner of the prestigious [Whiting Award for Emerging Writers](#). ([Listen to the podcast](#) and [read more.](#))

Karen Goodlad and **Susan Lifrieri-Lowry** (Hospitality Management), along with student Patrick Sewell, offered CUNY TV’s Carol Anne Riddell a lesson in dessert making and intense teamwork. ([Watch the episode](#) – the segment begins about 18 minutes in.)

George Guida (English) has published his tenth book, *The Uniform*, a novel that explores inherited bigotry, fear and racism. It appeared on March 1st, 2024, from Guernica Editions and has already received rave reviews from both Kirkus Reviews and [The Brooklyn Rail](#).



Sitaji Gurung (Health Sciences) Has recently published two articles: Gurung, S., Simpson, K. N., Grov, C., Rendina, H. J., Huang, T.T.K., Budhwani, H., Jones, S. S., Dark, T., & Naar, S. (2023). Cardiovascular Risk Assessment Among Adolescents and Youths Living with HIV: Evaluation of Electronic Health Record Findings and Implications. *Interactive Journal of Medical Research*. doi:[10.2196/41574](https://doi.org/10.2196/41574); and Gurung, S., Jones, S. S., Mehta, K., Budhwani, H., MacDonell, K., Belzer, M., & Naar, S. (2023). Examining Recruitment Strategies in the Enrollment Cascade of Youth Living With HIV: Descriptive Findings From a Nationwide Web-Based Adherence Protocol. *JMIR Formative Research*. Doi: <https://formative.jmir.org/2023/1/e40077>. The first served as a background article for the Journal Club and SPSS Workshop Series that Prof. Gurung established this year, with a goal of teaching students to read and analyze scientific journal articles.

Jen Hoyer (Library) spoke at the Ephemera Society of America 44th Annual Conference and Fair, on the topic of Printing 1960s High School Student Activism. This presentation explored how close reading of ephemera printed by and for activist high school students in the 1960s can help us trace shifting dynamics of power, agency, and self-determination. ([Read the abstract.](#)) Professor Hoyer also co-edited *Defend/Defund: a Visual History of Organizing Against the Police*, published in November 2023 by Common Notions. This book examines the history of how communities have responded to the violence of white supremacy and carceral systems in the United States and asks what lessons the modern abolitionist movement can draw from this past. ([Read more.](#)) Professor Hoyer's article, "[Possible Futures for Colonial Collecting Institutions: A Study of Historical Societies in the United States](#)" in volume 2 of *Transfer: Journal for Provenance Research and the History of Collection*, turns to Sarah Ahmed's theory on queer use and Saidiya Hartman's method of critical fabulation to suggest practical applications of queer use and critical fabulation for decolonializing historical societies.

Josh Kapusinski (Communication Design) and **Or Szyflingier** (alumna) were featured on the premiere of CUNY TV Presents: Macaulay Honors CUNY Film Festival, showcasing the work of remarkable emerging New York City filmmakers. ([Watch here.](#)) Professor Kapusinski, along with Professors Douglas Davis and Richard Pels led a team of students to a First Place finish in a national advertising competition in November. They beat out the other four competing colleges, including University of Illinois, which has a larger, more established advertising program with many more resources. See [this video](#) of the student's reactions when winners were announced!



Pegah Khosravi (Biological Sciences) Published a new study in the Journal of Magnetic Resonance Imaging (JMRI) that marks a significant stride in the field of medical imaging. The article, [“AI-Enhanced Detection of Clinically Relevant Structural and Functional Anomalies in MRI: Traversing the Landscape of Conventional to Explainable Approaches,”](#) critically assesses conventional methods of MRI analysis and advocates for the integration of Artificial Intelligence (AI) to achieve quicker and more precise diagnostics. ([Read more.](#))

Amera-Rime Lulu (Communication Design) was included in [the Arab America Foundation’s 40 Under 40](#) list, a celebration of accomplished young Arab Americans. The program spotlights Arab American professionals in all fields, including education, law, public service/politics, non-profit, business leaders, entrepreneurs, engineers, medical professionals, artists, entertainers, writers, and media representatives. These young professionals have great achievements both in the workplace and in their communities.

Ben Mendoza (Computer Engineering Technology) in [an interview with Univision](#) discussed the promises of Artificial intelligence (AI), among other things, to improve productivity and help manage daily tasks, something that is already possible through the options offered by devices frequently used constantly, such as cell phones.

Suzanne Maynard Miller (English) attended the opening of her new play at Chicago Children’s Theatre in September, [Mesmerized: A Ben Franklin Science & History Mystery](#). “Through fabulous storytelling and fast-paced comedy, Ben Franklin and his want-to-be-inventor niece, Sarah, travel to France where they use the Scientific Method to test a mystical man’s magical cure-all . . . Kids will laugh as they engage their minds to solve this mystery, fueled with stories about Ben Franklin’s many scientific discoveries and electrifying inventions. Based on the book *Mesmerized: How Ben Franklin Solved a Mystery that Baffled All of France* by Mara Rockcliff.”



Marissa Moran (Law and Paralegal) spoke in January about the impact of Artificial Intelligence on the legal profession at the New York State Bar Association's (NYSBA) 147th annual meeting in New York City. ([Read more.](#)) Professor Moran was appointed by the New York State Bar Association to a task force on Artificial Intelligence and the law and was one of the main drafters and contributors to the [Task Force Report and Recommendations](#) issued in early April, including sections on Legal Profession Impact and the Evolution of AI and Generative AI. ([Read more](#) about the Task Force and report.)

Nazanin Hedayat Munroe (Business, Director Textile Technology) is pleased to announce publication of a new volume: [Skilled Immigrants in the Textile and Fashion Industries: Stories from a Globe-Spanning History](#) (Bloomsbury Publishing, 2024), and a peer-reviewed article published in the *Textile Museum Journal*, Vol. 50 (November 2023): [“Yusuf and Zulaikha in Sufi Poetry and Safavid Silks.”](#) Professor Munroe gave a book talk with the CUNY Academy of Humanities and Sciences in March. With contributions from leading experts, this collection presents original research on the skills brought by immigrant communities to the textile and fashion industries in Asia and the Islamic World, Europe, Africa, and the Americas.

Marcos J Namit (English) will have a poem called “Wish” published in the LGBTQ online journal, *Quill and Echo* on April 26, 2024.

Zhijian Qian (Humanities) is featured in the art exhibition “Through the Riptides In a Canoe -- The 6th Global Overseas Chinese Artists Exhibition” at [He Xiangning Art Museum](#), a national art museum in China, from December 28, 2023 to May 5, 2024.

Juan Rivera-Correa (Biological Sciences) gave an International Webinar Talk for the Day Against Malaria in the Americas for the Colombian Society of Parasitology and Tropical Medicine on 11/07/23; gave an invited international conference talk, “I Simposio Internacional de Enfermedades Infecciosas Tropicales: “Desde la Ciencia hacia los Territorios” “ at Montería, Córdoba, Colombia on 12/04-05/2023; and was invited and accepted to the National Institute of Health (NIH) Early Career Reviewer (ECR) Program 04/03/24.



David Sanchez Jimenez (Humanities) continued prolific publishing on the topics of Spanish academic writing and professional discourse. His scholarly activity for 2023-2024 consists of one edited volume, three journal articles, three book chapters, one invited lecture, and five conference presentations.

Ashwin Satyanarayana (Computer Systems Technology) made three conference presentations this year: P. Olikkal, D. Pei, B. Karri, A. Satyanarayana, N. Kakoty, R. Vinjamuri, “Learning Hand Gestures using Synergies in a Humanoid Robot”, 2023 IEEE Conference on Robotics and Biomimetics (IEEE ROBIO), December 4-9, 2023, Koh Samui, Thailand; S. Kadiyala, K. Chen, Z. Guo, P. Olikkal, A. Catlin, A. Satyanarayana, R. Vinjamuri, “Novel Hand Gesture Classification based on Empirical Fourier Decomposition of sEMG Signals”, 2023 IEEE EMBS Conference on Data Science and Engineering in Healthcare, Medicine and Biology, December 7-9, 2023, Malta; A. Satyanarayana*, “Data Analytics for Decision Making at Academic Departments”, ASEE Zone 1 Conference, March 30th-April 1st 2023, Penn State College of Engineering, University Park, PA.

Jennifer Sears (English) received the 2024 Annual Fiction Book Award at the Northeast Modern Language Association’s 55th Annual Convention, held in Boston in early March. ([Read more.](#))

Benjamin Heim Shepard (Human Services) reports that he is between books, but that two essays and a book review found their way into public view, two in Logos. “On Cities Of Friends And Riots: Between Conflict, Solidarity, And Struggles For Recognition” was posted in 2023: Vol. 22, No. 2, Essays. Lately, it seems to be everywhere: conflict, and a bit of connection. Yet what do we do about it? How do we learn to cope with it? “I am amazed at the amount of contention there can be in politics in so many countries,” says my friend Karmi, based in Tel Aviv but currently traveling the world. “Stanley Aronowitz and that Big Factory” was posted in 2023: Vol. 22, No. 1, Essays. It was always about that factory. Factory as a place for reproduction. For knowledge production. For a means of production. For autonomy. For class struggle. For observation. For a union hall. For breaks. For reimagining the working day. For reading a novel. For organizing. For getting away from it. For false promises. Maybe it was... Prof. Shepard’s “[Book review: The Long Crisis: New York City and the Path to Neoliberalism, by Benjamin Holtzman](#)”, appeared in *Radical Americas* 9(1).



Vidyasagar Sriramoju (Biological Sciences) published with co-authors Stefan Thomas and Robert R. Alfano, “[Laser tissue welding by using collagen excitation at a 1,720nm near-infrared optical window III](#)” in *Applied Optics* (63:4) 1007-1014 (2024)

Peter Spellane (Chemistry) and two Applied Chemistry majors, twin brothers Beck and Jerry Bao, completed a Department of Homeland Security (DHS) funded coastal resilience project last summer, contributing to a new course curriculum in Urban Waterfront Resilience. The [DHS Science and Technology Summer Research Team Program for Minority Serving Institutions](#) serves to increase and enhance the scientific leadership at Minority Serving Institutions (MSIs) in research areas that support the mission and goals of DHS.

Claire Stewart (Hospitality Management) was quoted in the July New York Times article, “[For Luck in Love, Couples Are Breaking Plates \(On Purpose\)](#).” Prof. Stewart, author of *As Long as We Both Shall Eat: A History of Wedding Food and Feasts* (Rowman and Littlefield), described the tradition in Guatemala for the NYTimes, “a groom’s mother will often wear a white ceramic bell, usually filled with rice, which she breaks open once the couple is married. She breaks the bell for good luck. The rice is for fertility.”

Denise H. Sutton (Business) was awarded the Hagley Research Grant, to support a week of research at the Hagley Library, Wilmington, Delaware (research for the Fashion & Beauty book); organized a panel, “Innovation in the Beauty Industry,” European Business History Conference in August 2023, Oslo, Norway and gave a presentation titled “Rudolf Steiner and Lebensreform: The Case of Dr. Hauschka Skin Care and Weleda Beauty Brands”; was invited to be a board member of the Austrian-American Educational Cooperation Association by Arthur Mittenger, director of AAEC (part of ongoing Fulbright project in Vienna, Austria), January, 2024; gave an invited lecture on advertising beauty at the CUNY Grad Center, December 2023; will present a research paper titled “The Legacy of Lebensreform: The Case of Dr. Hauschka and Weleda Beauty Brands” at the Over the Global Counter: Selling Health, Hygiene, and Beauty in the Long Twentieth Century conference at the University of Nottingham, England, June 14, 2024. Professor Sutton was quoted in the media this year: in the USA Today article “[Men are showing their stomachs in crop tops. Why some may shy away from the trend](#)”; in [this Bloomberg Law news article](#) about clean beauty along with one of her students, Karlique Caesar; and on CUNY TV’s ‘Sustainability Matters’ show in an episode centered around the environmental impact of the fashion industry. ([Watch here.](#))



Christopher Swift (Humanities) published the book *Ritual, Spectacle and Theatre in Late Medieval Seville: Performing Empire* with Amsterdam University Press, 2023 ([read Chapter 1](#)), gave an invited talk on Arabic shadow puppetry at Yale University, and was interviewed for [the podcast Atlas Obscura](#) about his work on medieval automata.

Ryoya Terao (Entertainment Technology), received accolades for “13 Driver’s Licenses” (2022), a short documentary he directed, in collaboration with faculty and students across City Tech and CUNY. In 2023, the film was selected at over 40 film festivals in 18 countries, and received more than 30 awards. See [full list of screenings and awards](#) and the [trailer](#). 13 driver’s licenses were discovered in Lichtenfels, a small town in Germany. The licenses had been confiscated from Jewish citizens in 1938 and then lay hidden in the basement of the local county office. The film focuses on their discovery in 2017 and the unique events that happened next.

Michelle Todd (Construction Management & Civil Engineering Technology) was a recipient of the 2023 Lucy G. Moses Award from the New York Landmark Conservancy for the Ridges Residence in Stuyvesant Heights, a Historical District in Brooklyn. ([Read more](#) about the event and the award.)

Sanjive Vaidya (Architectural Technology) spoke on “The Case for a Public Design Education” at the 2023 AAO Virtual Conference: Encounters with Architecture on December 13, sponsored by the Chicago Architecture Biennial and the National Endowment for the Arts.

Sanjive Vaidya and **Jieun Yang** (Architectural Technology) spoke at the Center for Architecture AIANY in September as part of a panel series, *Advocacy and Agency in Architecture*, organized by the [AIANY Social Science and Architecture Committee](#). Panelists highlighted how educators, practitioners, and community-based organizations can best engage and teach students advocacy skill sets as part of their formal education, both in and out of the classroom. ([Read more](#) about the event.)

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