



Undergraduate Research Faculty Mentors Brochure

A resource for academic and professional development at NYC College of Technology

Undergraduate Research Committee Members:

Viviana Acquaviva, Ralph Alcendor, Monica Berger, Mariya Bessonov, Reginald Blake (Chair), Mercer Brugler, Aida Egues, Pa Her, Janet Liou-Mark, Zory Marantz, Alberto Martinez, Hamidreza Norouzi, Katherine Poirier, Jonas Reitz, Jody Rosen, Diana Samaroo, Liana Tsenova, Lin Zhou.

Fall 2017 edition

School of Arts & Sciences

Baccalaureate degrees within this school includes:

Applied Chemistry
Applied Computational Physics
Applied Mathematics
Biomedical Informatics
Mathematics Education
Professional & Technical Writing

SCHOOL OF ARTS AND SCIENCES

BIOLOGICAL SCIENCES

Faculty Member	Research Interest	Email	Office
Ralph Alcendor	Cell survival and longevity factors, stress resistant mechanisms and cell signaling molecules.	ralcendor@citytech.cuny.edu	P-313
Christopher Blair	Molecular Systematics, Phylogenomics and Historical Biogeography, Landscape Genomics, eDNA Metabarcoding	cblair@citytech.cuny.edu	P-410
Mercer R. Brugler	Deep-sea evolutionary biology; diversity and evolution of marine invertebrates; molecular systematics and evolutionary history of sea anemones and black corals (phylum Cnidaria); effects of dispersal and gene flow on the genetic structure of shallow and deep-populations; evolution of mitochondrial gene order, gene content and genome architecture in basal metazoans.	mbrugler@citytech.cuny.edu	P-313
Eugenia Giannopoulou	Next-generation Sequencing, Computational Genomics, Epigenomics Data Analysis, ChIP-seq, RNA-seq, DNA methylation. Cancer genomics, Data analysis of epigenomics mechanisms in rheumatoid arthritis (RA), systemic lupus erythematosus (SLE), and other autoimmune and inflammatory diseases. Programming/Web interfaces for genomics/proteomics, Information Visualization in Bioinformatics.	egiannopoulou@citytech.cuny.edu	P-313
Laina Karthikeyan	Molecular basis of neurodegenerative diseases like Dystonia, and Parkinson's	lkarthikeyan@citytech.cuny.edu	P-306
Jeremy Seto	Neuropsychimmunology - The interface of immunology, infection and inflammation with psychiatric disorders and neurodevelopment Urban Ecology - The unique interaction of human populations in an urban space on the environment and ecosystems	jseto@citytech.cuny.edu	P-410
Armando D. Solis	Use of bioinformatics tools and computational approaches to discover how protein folding information is encoded in amino acid sequences, and how interaction information is encoded in protein-DNA interfaces.	asolis@citytech.cuny.edu	P-313
Liana Tsenova	Current research interests lie in collaborative interdisciplinary projects with undergraduates, combining microbiology and infectious diseases with mathematics, to address epidemiological, ecologic and health care problems	ltsenova@citytech.cuny.edu	P-313
Tatiana Voza	Research interest includes 1) testing drugs on malaria parasites in vivo, 2) the imaging of parasites in the skin and 3) evaluating the efficacy of different route of injection in the context of immunizations. I am also setting up an artificial pond for teaching purposes and many studies could be related to this project.	tvoza@citytech.cuny.edu	P-313
Mai Zahran	Research focuses on exploring the structure and dynamics of biological systems and linking them to function. Rationally design new biological molecules, such as drugs using computational methods such as molecular dynamics tools, docking, and homology modeling approaches.	mzahran@citytech.cuny.edu	P-313
Andleeb Zameer	Nervous system and immune system interactions. More specifically I am interested in how immune system can alter the functioning of nervous system in autoimmune disorders like Multiple Sclerosis and similar neurodegenerative disorders.	azameer@citytech.cuny.edu	P-313

CHEMISTRY

Faculty Member	Research Interest	Email	Office
L. Jay Deiner	Electrochemistry, Spectroscopy, Reactions related to fuel cell catalysis and environmental remediation	ldeiner@citytech.cuny.edu	P-613
Alberto Martinez	Synthesis and evaluation of multi-target compounds as potential chemotherapeutic agents for Alzheimer's disease.	amartinez@citytech.cuny.edu	P-613
Diana Samaroo	1. Characterization and investigation of porphyrin-type molecule with proteins and DNA for therapeutic applications. 2. Spin-coating, photolithography, nanomaterials.	dsamaroo@citytech.cuny.edu	P-613
Peter Spellane	Preparation and analysis of light-sensitive transition metal compounds; investigations of the environmental consequences of chemicals manufacturing and petroleum refining in Brooklyn during the 19th and 20th centuries.	pspellane@citytech.cuny.edu	P-613
Suresh Tewani	Analytical chemistry	stewani@citytech.cuny.edu	P-613

ENGLISH

Faculty Member	Research Interest	Email	Office
Lubie G. Alatraste	second language writing, classroom methodologies, academic discourse	lalatraste@citytech.cuny.edu	N-520
Jill Belli	My interdisciplinary research interests include utopian studies / science fiction; positive psychology / happiness studies; writing studies / composition and rhetoric / professional and technical writing; digital humanities; education / pedagogy; cultural studies. I also help direct three digital projects, which all involve work in coding, data entry, network analysis, data visualization, usability / user experience, and design: 1) City Tech's OpenLab (openlab.citytech.cuny.edu); 2) the Writing Studies Tree (writingstudiesree.org); 3) the digital presence of the Society for Utopian Studies (utopian-studies.org).	jbelli@citytech.cuny.edu	N-520
Anna Do	As a linguist I mostly work with language. My research interests include first and second language acquisition, linguistic analysis of any language, any language-related topics, ESL, discourse analysis, and teacher education.	ado@citytech.cuny.edu	N-528
Kate Falvey	Undergraduates to assist in producing the 2 Bridges Review, City Tech's first peer-reviewed literary arts magazine. Production will include: monitoring and helping to review submissions in all categories (art, poetry, fiction, nonfiction), helping to keep our website current, assisting with promotion and distribution of the magazine.	kfalvey@citytech.cuny.edu	N-527
Camille Goodison	Caribbean and Latin American Studies; Ethnic and Immigrant literature; Africana Studies; Popular Music and Culture; Oral Histories; Narrative Nonfiction (including Biography and Memoir; Travel and Nature Writing)	cgoodison@citytech.cuny.edu	N-520
George Guida	Creative Writing, Literature, Ethnic Studies, Film and Popular Culture	gguida@citytech.cuny.edu	N-525
Caroline Hellman	19 th -21 st century American Literature; Contemporary Ethnic American Writers; Urban Studies; Space and Place; Women Writers	chellman@citytech.cuny.edu	N-503
Joseph Jeyaraj	Writing and Visual Communication (STEM and other genres of writing visual communication involving technical and professional communication)	Jjeyaraj@citytech.cuny.edu	P-410

ENGLISH

Faculty Member	Research Interest	Email	Office
Reneta Lansiquot	I conduct interdisciplinary, mixed-methods research on learning in virtual worlds. This includes studies of ways to improve computer programming and writing skills.	rlansiquot@citytech.cuny.edu	N-525
Robert Leston	Writing in electronic environments, particularly in the medium of video. Research into the study of the Film Essay; television storytelling and their applications to professional scholarship as well as undergraduate essays and journalism. Human, animal, technological relationships.	rleston@citytech.cuny.edu	N-511
Jody Rosen	20 th and 21 st Century Literature, Narrative and Storytelling, Gender Studies, Writing in Digital Media, Brooklyn in the Archives (using the Brooklyn Historical Society)	jrrosen@citytech.cuny.edu	N520

HUMANITIES

Faculty Member	Research Interest	Email	Office
Sandra Cheng	Intersections of science, aesthetics, and art; production and reception of early modern caricature and comic art; history of photography.	scheng@citytech.cuny.edu	A-602B
David Lee	Multimedia health communication; Public health campaigns; Interactive health technologies (apps, wearables, etc.); Science museum exhibitions about health; Linguistic, cultural and economic determinants of health	dlee@citytech.cuny.edu	A-630
Christopher Swift	Contemporary and historical theatre in New York City; theater architecture and material culture; technology and performance; avant-garde theatre; spectacle, music, dance, and installation art in public spaces; liturgical theatre and festival; devotional practices.	cswift@citytech.cuny.edu	A-630
Shauna Vey	Theatre history, especially performance spaces, stage direction, labor, and economic issues. Children's Studies. Professional juvenile performers within the context of shifting social constructions of childhood. Specialist in 19th- and 20th-century American and African-American theatre.	svey@citytech.cuny.edu	A-630

LIBRARY

Faculty Member	Research Interest	Email	Office
Junior Tidal	Web usability, user experience, web metrics, and mobile web development.	JTidal@citytech.cuny.edu	A-434

MATHEMATICS

Faculty Member	Research Interest	Email	Office
Mariya Bessonov	Probability and applications to population dynamics, applications to cryptography	mbessonov@citytech.cuny.edu	N-724
Urmi Ghosh-Dastidar	Infectious Disease Modeling, Biodiversity, Mathematical Biology, Nonlinear Optimization for parameter estimation	ughosh-dastidar@citytech.cuny.edu	N-725
Ezra Halleck	Discrete mathematics (including algebraic combinatorics), probability and statistics, simulation and applications in biology and social sciences	ehalleck@citytech.cuny.edu	N-726
Nadia S. Kennedy	Mathematics education and Teacher Education	nkennedy@citytech.cuny.edu	N-602B
Gjerjg Klimi	Applied Math and Physics in the Military Sciences	gklimi@citytech.cuny.edu	N-825
Boyan Kostadinov	Applied Fourier calculus with applications to Medical Imaging, Signal and Image Processing, and Monte Carlo simulations with applications to finance, biology and physics.	bkostadinov@citytech.cuny.edu	N-602B
Janet Liou-Mark	Factors influencing and affecting student learning of mathematics	jliou-Mark@citytech.cuny.edu	N-725
Ariane Masuda	Number theory and discrete mathematics	amasuda@citytech.cuny.edu	N-602B
Hans Schoutens	Algebra - geometry.	hschoutens@citytech.cuny.edu	N-826
Satyanand Singh	Statistical Analysis and simulations. Explorations in additive Number Theory, Quantum Integers and such. Linear and Abstract Algebra and their applications.	ssingh@citytech.cuny.edu	N-724
Jonas Reitz	Mathematical logic. Logical puzzles and games. Set theory and foundations of mathematics. Computation and complexity. Calculus projects: patterns in integration and differentiation.	jreitz@citytech.cuny.edu	N-707
Huseyin Yuce	Ordinary and Partial Differential Equations (applications involving structural mechanics, vibration and control theory), Mathematical Physics, and Perturbation Theory.	hyuce@citytech.cuny.edu	N-826
Lin Zhou	Non-Newtonian Fluids, asymptotic method	lzhou@citytech.cuny.edu	N-602B

PHYSICS

Faculty Member	Research Interest	Email	Office
Viviana Acquaviva	Analysis of the properties of distant galaxies; big data, machine learning and data mining for astronomical data sets.	vacquaviva@citytech.cuny.edu	N-828
Oleg Berman	Superconductivity, super-fluidity, spontaneous coherence.	oberman@citytech.cuny.edu	N-810
Reginald Blake	Satellite Remote Sensing of the Environment, Hydro-climatology, and Tropical Meteorology: Hurricanes	rblake@citytech.cuny.edu	N-801
Andrea Ferroglia	Theoretical particles physics, LHC phenomenology, calculation of Feynman diagrams, resummation techniques	aferroglia@citytech.cuny.edu	N-801
Boris Gelman	Nuclear and particle physics; physics of ultracold atomic clouds.	bgelman@citytech.cuny.edu	N-810
German Kolmakov	Condensed matter physics; computational physics, graphics processing units computations.	gkolmakov@citytech.cuny.edu	N 801
Lufeng Leng	fiber optics, optical system and network, fiber-based nonlinear devices	lleng@citytech.cuny.edu	N-800
Ariyeh Maller	Understanding the formation and evolution of galaxies. Both from a theoretical perspective using computer simulations and by applying novel methods to analyze observational data.	amaller@citytech.cuny.edu	N 801
Giovanni Ossola	Theoretical Particle Physics	gossola@citytech.cuny.edu	N-810
Justin Vazquez-Poritz	Black holes, gravity, string theory, particle physics	jvazquez-poritz@citytech.cuny.edu	N-828

SOCIAL SCIENCE

Faculty Member	Research Interest	Email	Office
Amanda L. Almond	Research includes: scale validation for self-care behaviors of women enrolled in graduate programs; the effects of microaggression on self-compassion, health promotion, and professional empowerment; and racial identity and attributions of race in the processing of disease-risk messages targeting Black Americans.	aalmond@citytech.cuny.edu	N-604
Daniel Capruso	Clinical neuropsychology	dcapruso@citytech.cuny.edu	N-625
Peter Catapano	Research focuses on the social and cultural life of immigrants to the US during the 20 th century. Special interests include comparing representations of early 20 th century and post-1965 immigration.	pcatapano@citytech.cuny.edu	N-610
Lisa Pope Fischer	Anthropological research focuses on post socialist Hungarian society from a global perspective as a way to address concerns regarding identity (gender, ethnic, national), issues of power and agency, the social construction of time and space, and the politics of difference and social inequities. My multi-site research includes the impact of migration and societal change on personal practice.	LPopeFischer@citytech.cuny.edu	N-627
Pa Her	Understanding the intersection of culture, emotion and identity. Examining how the interaction of culture with these processes affects the psychological and physical well-being of the individual.	pher@citytech.cuny.edu	N-600
Jean Hillstrom	Our research team conducts research in the following areas: emotion, expressive writing, music, development, cognition, psychophysiology, job satisfaction, training performance.	jhillstrom@citytech.cuny.edu	N-611 / N612
Tina Kao	Main general interest is in behaviors associated with stress and learning	tkao@citytech.cuny.edu	N-624
Fangxia Lin	Financial economics, risk management, financial statement analysis, copula methods in finance.	fxlin@citytech.cuny.edu	N-624
Sean P. MacDonald	Research interests include public policy, labor market trends, and sustainable economic development and policy. I am also interested in examining the long-term impact of shifts in taxation and spending policies that have contributed to widening income inequality in the U.S. economy.	smacdonald@citytech.cuny.edu	N-600
Gulgun Bayaz Ozturk	Poverty, Income Inequality, Income mobility	gbayazozturk@citytech.cuny.edu	N-624
Laureen Park	My interests include Metaphysics, Phenomenology, and psychoanalysis. More recently, I've done work in Conflict Resolution Scholarship.	LPark@citytech.cuny.edu	N-627
Eric M. Rodriguez	Lesbian/Gay/Bisexual/Transgender/Queer/Intersex (LGBTQI) Issues, HIV/AIDS, Identity Conflict and Integration, Personality Psychology, Positive Psychology, Psychology of Religion, Research Methods and Statistics and Social Psychology. My current research builds upon my doctoral dissertation work on LGBTQI people of faith.	erodriguez@citytech.cuny.edu	N-625
Howard Sisco	Main general interest is in behaviors associated with stress and learning	hsisco@citytech.cuny.edu	N-625

School of Professional Studies

Baccalaureate degrees within this school includes:

Business & Technology of Fashion

**Career & Technical Teacher
Education**

Health Service Administration

Hospitality Management

Human Services

Legal Assistant Studies

Nursing

Radiological Science

Technology Teacher Education

SCHOOL OF PROFESSIONAL STUDIES

BUSINESS

Faculty Member	Research Interest	Email	Office
Lucas Bernard	Projects which involve international business, risk management, and structured finance. Interest in projects which explore the ways in which economics blends together human values, politics, rationality and irrationality; more specifically, how this interplay reveals itself in society at large.	lbernard@citytech.cuny.edu	N-1024
Alyssa Dana Adomaitis	Analyzing sexual objectification of women/men in luxury advertising (ie. Gucci, Chanel, Armani) advertising and using semi-structured interviews to collect data on consumer perceptions	aadomaitis@citytech.cuny.edu	N-1025

CAREER AND TECHNICAL TEACHER EDUCATION

Faculty Member	Research Interest	Email	Office
William Edward Roberts	3D Modeling, Cognitive load, NASA TLX, Cues (the use of cues to reduce cognitive load in multimedia instructions), 3D immersive virtual learning worlds and Teaching in the 3D virtual world	wroberts@citytech.cuny.edu	M-201

DENTAL HYGIENE

Faculty Member	Research Interest	Email	Office
Lois Dreyer	Incoming student attitudes towards dental health, New patient attitudes toward the profession and oral health, the professional image and its impact on trust and reliability.	ldreyer@citytech.cuny.edu	P-201
Avis J. Smith	Various including Ethics, Inclusion, Education, Social, Health.	asmith@citytech.cuny.edu	P-409

HOSPITALITY MANAGEMENT

Faculty Member	Research Interest	Email	Office
Heejun "Ellen" Kim	Tourism and Hospitality Marketing, Online Marketing Practices	HEKim@citytech.cuny.edu	N-200
Robert Walljasper	Culinary Arts: Creativity, creative works, history, education, workplace environment, cultural influences and perspectives.	RWalljasper@citytech.cuny.edu	N-604

HUMAN SERVICES

Faculty Member	Research Interest	Email	Office
Soyeon Cho	Mental and Physical health disparities among minority population especially in elders/Stress management and coping with chronic stressors	scho@citytech.cuny.edu	N401
Carmen V. Negron	Of particular interest are program evaluation, social welfare policy, social action, cause related marketing, the impact of social media on nonprofit organizations, grass-roots empowerment, and participatory research projects that connect women and girls to the land.	cnegron@citytech.cuny.edu	N-401
Christine Thorpe	My research interests are in health disparities in communities of color, women's health issues, holistic nutrition and wellness.	cthorpe@citytech.cuny.edu	N-401

LAW AND PARALEGAL STUDIES

Faculty Member	Research Interest	Email	Office
Marissa J. Moran	Legal Technology in relation to existing law, the expectation of privacy, security, data analysis, and evidence. Forensic Science & The Legal Process exploring the intersection of science and law.	mmoran@citytech.cuny.edu	N-622

NURSING

Faculty Member	Research Interest	Email	Office
Aida Egues	Mentoring of registered nurses; professional and general incivility; health disparities; community and public health nursing; service learning; HIV/AIDS, chronic illness, ethical/moral reasoning	aegues@citytech.cuny.edu	P-505

RADIOLOGIC TECHNOLOGY AND MEDICAL IMAGING

Faculty Member	Research Interest	Email	Office
Jennett M. Ingrassia	Areas in radiologic technology specific to education. Research involves the effectiveness of allied health clinical instructors / preceptors from both the perspective of the clinical instructor and the student.	jingrassia@citytech@cuny.edu	P-513
Eric Lobel	Medical Imaging and Informatics, Computed Tomography and Magnetic Resonance Imaging and teaching methodology	elobel@citytech.cuny.edu	P-513

VISION CARE TECHNOLOGY

Faculty Member	Research Interest	Email	Office
Kara Pasner	Research pertaining to vision/ eye disease.	kpasner@citytech.cuny.edu	P-312

School of Technology & Design

Baccalaureate degrees within this school includes:

Architectural Technology
Communication Design
Communication Design Management
Computer Engineering Technology
Computer Systems
Construction Technology
Electrical Technology
Emerging Media Technology
Entertainment Technology
Facilities Management
Mechanical Engineering Technology
Telecommunications Engineering Technology

SCHOOL OF TECHNOLOGY AND DESIGN

ARCHITECTURAL TECHNOLOGY

Faculty Member	Research Interest	Email	Office
Phillip Anzalone	Research in design, engineering and prototyping active facade systems incorporating novel material and processes.	panzalone@citytech.cuny.edu	V-414 V-818
Alexander Aptekar	Current research includes high-performance architecture (“green and passive architecture”) and structures including their construction assemblies and materials. Also development of building information modeling (BIM) and related collaborative and interoperability processes.	aaptekar@citytech.cuny.edu	V-205
Esteban Beita Solano	Virtual Reality (VR); Photo-realistic 3D Rendering; Traditional and Contemporary Japanese Architecture; The Architecture of Le Corbusier Experiencing Architecture Space through Virtual Reality; Light and Shadow in Architecture	ebeitasolano@citytech.cuny.edu	V-207
Ting Chin	The development, history, and significance of the Brooklyn Civic Center and speculations on its future.	tchin@citytech.cuny.edu	V-203
Jill Bouratoglou	Chronological study of the construction of a single family house in Brooklyn, NY.	jbouratoglou@citytech.cuny.edu	V-818
Lia Dikigoropoulou	NY City Site Analysis Case Studies	ldikigoropoulou@citytech.cuny.edu	V-826
Michael Duddy	The development, history, and significance of the Brooklyn Civic Center and speculations on its future.	mduddy@citytech.cuny.edu	V-203
Paul C. King	Roebing “Before the Bridge”: examines the early work of John Augustus Roebing and the innovations that he developed that eventually led to the design and construction of the Brooklyn Bridge. “Master Planning for an under serviced community”: the development of a master plan vision study and the design of a visitor center to assist the Town of Mamakating New York to rebrand themselves as a recreational center by taking advantage of the historic significance of the route of the D & H Canal, two railroad easements and the Long Path and Shawangunk Ridge Trail hiking paths. Related to my primary area of research the D & H Canal included the construction of 4 Roebing Suspension Aqueducts.	pking@citytech.cuny.edu	V-824
Jihun Kim	Simulating environment for high performance buildings; urban microclimate analysis; integrated design for energy and efficiency	Jkim@citytech.cuny.edu	V-803
Jason Montgomery	The development, history, and significance of the Brooklyn Civic Center and speculations on its future.	jmontgomery@citytech.cuny.edu	V-203

COMMUNICATION DESIGN

Lloyd Carr	How to get clean and perceptively similar color in both print and non-print graphic communications media.	LCarr@citytech.cuny.edu	P 100
George Garrastegui, Jr.	Works In Process: Conversations As Research As an avenue to the topic of design process, I have initiated a podcast as a form of data collection. In this podcast, I speak to designers, artists, writers, and more to discuss their methodologies. We discuss habits and reveal ideas and methods that the creative has never actualized before. I am actively gathering data to be help students find their creative voice through various methodologies	ggarrastegui@citytech.cuny.edu	N-1127
Dan Wong	Research + Design + Technology; Defining research in the field of Communication Design, including the development of a taxonomy of terms and concepts; the mapping of design methodologies and assessments using behavioral cognitive psychology approaches, and statistical analysis; finding creative solutions to problems using technology.	dwong@citytech.cuny.edu	N-1111

COMPUTER ENGINEERING TECHNOLOGY

Faculty Member	Research Interest	Email	Office
Aparicio Carranza	Software Defined ... (Networking, Storage, Computing), cloud computing and networking, cybersecurity, Big Data	acarranza@citytech.cuny.edu	V-626
Ohbong Kwon	Spectrum analysis, Digital filter design, DSP (Digital signal processing) algorithm implementation, Digital Design using FPGA, Control systems	okwon@citytech.cuny.edu	V-619
Xiaohai Li	Robotics and control systems, embedded systems, wearable computing, wireless sensor networks, Internet of Things (IoT), cognitive radio mesh networks, and computer vision.	xhli@citytech.cuny.edu	V-642
Benito Mendoza	Multi-Agent and Bio-inspired Systems, Mobile Computing, Internet of Things and Cyber-Physical Systems, Technology and Artificial Intelligence for Education.	bmendoza@citytech.cuny.edu	V-620
Jose M. Reyes Alamo	Smart homes, Software Engineering, Mobile Computing, Service-Oriented Computing, Internet of Things (IoT), Information Retrieval	jreyesalamo@citytech.cuny.edu	V-621
Yu Wang	Wireless sensor network with prosthetic limbs for amputee and algorithms to filter noise and amplify biosensor signals as well as create interfaces to visualize the data.	ywang@citytech.cuny.edu	V-629
Chen Xu	Biomedical sensors and instrumentation, Non-invasive medical test, Image processing and signal processing	cxu@citytech.cuny.edu	V-643
Farrukh Zia	Social and Interactive Robots, Mobile Robots, Wearable and Fashion Technology, Neural Networks and Fuzzy Logic applications, Computer Controlled Systems, Wireless Communication, Mechatronics.	fzia@citytech.cuny.edu	V-624

COMPUTER SYSTEMS TECHNOLOGY

Faculty Member	Research Interest	Email	Office
Ossama Elhadary	Research interests include all aspects of electronic commerce, technology adoption, and computer networks.	oelhadary@citytech.cuny.edu	N-913
Marcos S. Pinto	Client/Server Programming, Semantic Web, Web Services, Intelligent Networks, Artificial Intelligence, Expert Systems	mpinto@citytech.cuny.edu	N-1026
Ashwin Satyanarayana	Big Data and Data Analytics; Data Mining and Machine Learning with applications in Real World Learning Problems	asatyanarayana@citytech.cuny.edu	N-913

CONSTRUCTION MANAGEMENT & CIVIL ENGINEERING TECHNOLOGY

Faculty Member	Research Interest	Email	Office
Navid Allahverdi	Structural Design, Optimization, and Control High Performance Concrete Testing Scientific Computation Techniques	nhajiallahverdipur@citytech.cuny.edu	V-415
Hamidreza Norouzi	Earth, Environment, and Climate Studies Using Remote Sensing Observations	hnorouzi@citytech.cuny.edu	V-424
Anne Marie Sowder	Construction management, project analysis, risk analysis, sustainability, urban planning and history	amsowder@citytech.cuny.edu	V-425

ELECTRICAL AND TELECOMMUNICATIONS ENGINEERING TECHNOLOGY

Faculty Member	Research Interest	Email	Office
Li Geng	Statistical Signal Processing with its applications in areas such as signal detection and estimation, indoor positioning; big sensor data analytics in the Internet of Things; big data analytics across disciplines.	lgeng@citytech.cuny.edu	V-739
Asm Delowar Hossain	Network Protocol, Quality of Service, Resource Allocation Algorithm for Optical-Wireless Network at the access level.	ahossain@citytech.cuny.edu	V-742
Zory Marantz	Power Control, Wireless communications: WiFi, Bluetooth, Zigbee, and software defined radios.	zmarantz@citytech.cuny.edu	V-737
Muhammad Ummy	Fiber optics, fiber lasers and fiber sensors	MAUmmy@citytech.cuny.edu	V-736
Viviana Vladutescu	Earth Remote Sensing and Target Surveillance	vvladutescu@citytech.cuny.edu	V-729
Xinzhou Wei	Research interests include computer networking and security, RFID and embedded device security	xwei@citytech.cuny.edu	V-727

ENVIRONMENTAL CONTROL TECHNOLOGY/FACILITIES MANAGEMENT

Faculty Member	Research Interest	Email	Office
Daeho Kang	Building energy simulation, High performance building, Indoor environmental quality analysis, HVAC systems design, and Ventilation	dkang@citytech.cuny.edu	V-416
Lukasz Sztaberek	Indoor air quality monitoring (with focus on VOCs) and purification using PCO (Photocatalytic Oxidation)	lsztaberek@citytech.cuny.edu	V-437

MECHANICAL ENGINEERING AND INDUSTRIAL DESIGN TECHNOLOGY

Faculty Member	Research Interest	Email	Office
Malek Brahimi	Fuel Cell Technology, Composite Material, Vibration Simulation	MBrahimi@citytech.cuny.edu	V-523
Gaffar Gailani	Biomechanics, Strength of Materials, Computational work	ggailani@citytech.cuny.edu	V-533
Masato Nakamura	Energy and Environmental, Simulation, Materials and Energy Recovery, Manufacturing and Recycling Technology, Eco-Design, Sustainable Computing	mnakamura@citytech.cuny.edu	V-532
Akm Samsur Rahman	Composite Materials, Bio Materials, Nanomaterials, Fracture Mechanics	asrahman@citytech.cuny.edu	V-533
Angran Xiao	Engineering Design, Product Lifecycle Management, CAD/CAM, Optimization, virtual engineering	axiao@citytech.cuny.edu	V-534
Ozlem Yasar	Tissue Engineering, Biomechanics, Biofabrication	oyasar@citytech.cuny.edu	V-535
Zhou Zhang	Virtual Reality, Computer Vision, Internet of Things, Mechatronics, Robotics, and Embedded system	ZhZhang@citytech.cuny.edu	V-530

Undergraduate Research OpenLab

<http://openlab.citytech.cuny.edu/groups/undergraduate-research/>

City Tech's Chapter of National Society of Collegiate Scholars (NSCS)

<http://www.nscs.org/chapters/new-york-city-college-of-technology/>

National Institute of Health (NIH) Bridges to Baccalaureate

<http://bridges.citytech.cuny.edu/>

National Science Foundation (NSF) Scholarships in STEM

<http://www.citytech.cuny.edu/s-stem/>