

New York City College of Technology

School of Arts and Sciences

Newsletter 2013-2014



African American Studies - is designed to bring into focus, through inter-departmental and multicultural course offerings in liberal arts and sciences, the history and culture of Africans and their descendants throughout the African diaspora from antiquity to the present. Readings and classroom lectures bring research, critical analysis, synthesis and interpretation to bear on the contributions of peoples of African descent to the evolution of human civilization, an approach that stimulates intellectual growth and the development of humanistic principles.

Notable Achievements

Prof. Bennett is a Fourth Year Faculty Fellow on the General Education Title V Grant "A Living Laboratory: Revitalizing General Education for a 21st Century College of Technology." This is a five-year initiative (2010-2015) funded by the U.S. Department of Education.

Two new faculty members joined AFR in 2013-2014: Professors Kofi Barima and Dionne Bennett.

Grant Awards Received

Prof. Effinger-Crichlow was the recipient of a CUNY Diversity Projects Development Fund Grant. In collaboration with Professor Christine Thorpe of Health & Human Services, Professor Effinger-Crichlow (Co-PI) developed the "Victoria Earle Matthews Lecture Series." (\$3,500). (Matthews was a journalist, activist, lecturer, clubwoman, and social worker. She was co-founder of the Woman's Loyal Union in New York in

Prof. Barima published the following articles:

- "Militancy and Spirituality: Haiti's Revolutionary Impact on Jamaica's Africans and Afro-Creoles: 1740 - 1824" in *WADABAGEI: A Journal of the Caribbean and Its Diaspora* in November 2013.

He made the following presentation:

- "Musical Marronage: Reggae Music Fighting Back from the Periphery" at AFR's Spring Colloquium.

Dr. Bennett offered the following peer-reviewed presentations and an invited talk:

- "Re-Gendering African American Studies in the 21st Century" accepted at the New York African Studies Association in Cortlandt, New York, April 2014.
- "Black Women in the Media" at the Women's Health Conference in New Orleans, Spring 2014.
- "Imitation of Love: Romantic Ritual in African American Media" at Harvard University's African American Studies Department in Cambridge, MA, April 2014.

She made the following CityTech presentation:

- "Re-gendering Post-racial Fantasies: How Black Women Mix Media" at the 11th Annual CityTech Poster Session for Faculty Research, November 2013.

Prof. Effinger-Crichlow served as the dramaturg for the production of Lynn Nottage's play *Intimate Apparel* for the Sinclair Theatre at Sinclair Community College in Dayton, Ohio in 2013. She used her research on *Intimate Apparel* to

make a presentation for the English Department's Literary Roundtable in collaboration with AFR in Spring 2014. The research was also used to mount an exhibit for CityTech's Ursula C. Schwerin Library during Women's History Month in March 2014.

Biology - The department offers courses that serve the needs of the entire college community. Specific courses are required by a number of health-related programs, while our introductory courses satisfy the college's laboratory science general education requirement. The department maintains an academic environment in which the potential of all students can be realized. The department also offers a baccalaureate degree program (BS) in Biomedical Informatics. Biomedical informatics is an emerging field that optimizes the use of information in health care. The program equips students with the knowledge and technical skills needed to navigate the mass of biological and biomedical data that is increasingly driving new developments in pharmacology and therapeutics, molecular biology, biomedical science, and healthcare. This past academic year Biological science welcomed four new faculty members to the department, Prof. Christopher Blair, Prof. Mercer Brugler, Prof. Eugenia Giannopoulou and Prof. Mai Zahran.

Notable Achievements

Prof. Seto was invited to join an NSF RNA-Seq Working Group. Bringing Next Generation Sequence Analysis to Undergraduate Biology Education. DNA Learning Center of Cold Spring Harbor Laboratory

Prof. Blair published the following:

- **Blair C**, Heckman KL, Russell AL, Yoder AD. Multilocus coalescent analyses reveal the demographic history and speciation patterns of mouse lemur sister species. BMC Evol Biol. 2014 Mar 24;14(1):57.

He presented the following:

- Presentation: **Blair C**, Campbell CR, Yoder AD. Utility of whole genome amplified DNA for next-generation phylogeography and population genomics. 2014. Annual Evolution Meetings, Raleigh, NC, USA.

Grant Awards Received

Prof. Astrof received a PSC CUNY type A award.

Prof Seto and **Prof Smyth** were awarded a grant for Enhancing student outcomes by integrating inquiry based, student driven exercises into the undergraduate biology laboratory classroom. Awarded \$10000.

Prof Seto received a PSC-CUNY Traditional B: (\$6000) Modulation of Neurodevelopment Through Cytokine Interventions in Maternal Immune Activation Model of Psychiatric Disease

Prof. Smyth was awarded a PSC-CUNY Research Award (Type A) -Using genomic and phylogenetic approaches to elucidate which came first, the pathogenicity island or the phage. (\$3500)

Prof Kolchenko and **Prof Tsenova** received a grant from the NSF called Infograms for Undergraduate Biology (V. Kolchenko-PI) 6/1/2013 - 6/1/2016.

- Poster: Campbell, CR, Larsen P, **Blair C**, Yoder AD. Applications of Circos beyond genomics. 2014. Annual Evolution Meetings, Raleigh, NC, USA.

He gave the following local presentations Contributed Local:

- Presentation: **Blair C**, Noonan BP, Brown JL, Raselimanana AP, Vences M, Yoder AD. Historical diversification and biogeography of the Malagasy endemic plated lizards (Gerrhosauridae: Zonosaurinae). 2014. North Carolina Herpetological Society Spring Meeting,
- Presentation: **Blair C**. Tropical lizard diversification: a ‘tail’ of two clades. 2014. Systematics Discussion Group, Duke University,
- Poster: **Blair C**, Brown JL, Yoder AD. Elucidating speciation mechanisms in Malagasy vertebrates. 2013. Duke Biology Retreat.

He organized the following:

- Co-founder of Systematics Discussion group in the Department of Biology at Duke University.

He reviewed the following:

- Reviewer for the journals Molecular Ecology, Journal of Tropical Ecology, Acta Chiropterologica, Marine Environmental Research, Biological Journal of the Linnean Society.

Prof. Brugler published the following:

- González-Muñoz R, Simões N, Mascaró M, Jello-Mustajir, **Brugler MR**, Rodríguez E, 2014. Morphological and molecular variability of the sea anemone *Phymanthus crucifer* (Cnidaria, Anthozoa, Actiniaria, Actinoidea). *Journal of the Marine Biological Association of the United Kingdom*.

He organized the following:

- “Tree-Thinking” Challenge; held on Tuesday, August 26 from 9am-3pm; attendees included PhD students from the American Museum of Natural History’s Richard Gilder Graduate School

He reviewed the following:

- ICES Journal of Marine Science, Journal of the Marine Biological Association of the United Kingdom, Marine Ecology Progress Series, Mediterranean Marine Science, Mitochondrial DNA, Molecular Ecology Resources, Molecular Phylogenetics and Evolution, Museum of Comparative Zoology at Harvard University, The Italian Journal of Zoology, Zootaxa

Prof. Giannopoulou published the following:

Grant Awards Continued

Prof Tsenova received an NSF-SENCER Post implementation award “Prospect Park Biodiversity Project” 2/1/2013 – 11/30/2015. Role: Co-investigator
She was the PI/Project director of a successful submission for a Bridges to the Baccalaureate Program award from the NIH (R25). 7/2014-8/2019. Title: Bridge to the Baccalaureate at NYC College of Technology. At PHRI and Rutgers State University of NJ, Prof Tsenova received an R21 AI110335-01. 02/01/2014 – 01/31/2015. Title: Adjunctive immune modulation to improve TB treatment. Funding source NIH/NIAID and a grant from the Bill and Melinda Gates Foundation, Drug Accelerator. 09/2013

– 08/2015. Title: Efficacy of BCG Prime-MVA85A Boost Vaccination in a

- Walker S, Liu S, Xiang M, Nicolais M, Hatzi K, **Giannopoulou EG**, Elemento O, Cerchietti L, Melnick A, Frank D: The transcriptional modulator BCL6 as a molecular target for breast cancer therapy. *Oncogene* 2014.
- Qiao Y, **Giannopoulou EG**, Chan CH, Park S-h, Gong S, Chen J, Hu X, Elemento O, Ivashkiv LB: Synergistic activation of inflammatory cytokine genes by interferon- γ -induced chromatin remodeling and Toll-like receptor signaling. *Immunity* 2013, 39(3):454-469.
- Delehouz  C, Godl K, Loa c N, Bruy re C, Desban N, Oumata N, Galons H, Roumeliotis T, **Giannopoulou EG**, Grenet J: CDK/CK1 inhibitors roscovitine and CR8 downregulate amplified MYCN in neuroblastoma cells. *Oncogene* 2013.

She reviewed the following

- Program Committee member and reviewer for the Pacific Symposium on Biocomputing (PSB) Cancer panomics session 2014-2015.
- Reviewer for Nature Biotechnology.

She organized the following:

- Organized the “3rd Workshop on Epigenomics Data Analysis” (25-30 attendees) in May 2014, hosted in Weill Cornell Medical College, NY. This was a tri-institutional event, co-sponsored by the Institute for Computational Biomedicine of Weill Cornell Medical College, the David Z. Rosensweig Genomics Research Center of the Hospital for Special Surgery (HSS) and the Biological Sciences Department of the New York City College of Technology (CityTech) at City University of New York (CUNY). (URL: <https://sites.google.com/site/epiworkshop2014/>)

Prof. Karthikeyan published the following:

- Lipson, S.M., Ozen, F.S., **Karthikeyan L.**, Sullivan, G.L., Hyka, X., Bulut, O., Gordon, R.E. 2013. Flavonoid-associated direct loss of rotavirus antigen/antigen activity in cell-free suspension. *Journal of Medicinally Active Plants* 2(1): 10-24.

She gave the following local presentation:

- Ozen, F.S., R. E. Gordon, **L. Karthikeyan**, and S. M. Lipson. Enhanced infectivity/detection of rotavirus in monkey kidney epithelial cell cultures by CystiCranR 40. Abstr. 46th Ann. MACUB Conference. October 26th, 2013. Conference hosted by Monmouth Community College.

She gave the following national presentation:

Anti-Rotavirus Activity of Soluble Flavonoids (Glycosyl Hesperitin and Epigallocatechin Gallate) in Cell-Free Suspension and Cell Culture. G. L. Sullivan, S. Louis, F. Ozen, **L. Karthikeyan**, R.E. Gordon, and S. M. Lipson. ASM 2013, May 18-21, Denver, Colorado.

Prof. Seto was invited to present:

- Panel presentation: [Emerging Trends in Biotech Panel](#) for the [Brooklyn Tech Triangle](#)’s Tech-Triangle U Entrepreneurship Symposium

He presented the following:

- Poster: **Seto J**, Moreno JL, Holloway T, Gonzalez-Maeso J. Elucidation Cytokine Biomarkers in an Animal Model of Neuropsychiatric Disease. 27th annual international symposium [Bioinformatics: Medical Applications](#)

He was invited to the following:

- Brusslan J, Bruckner B, Lewis S, **Seto J**. iPlant Tools in Course-Based Research High Performance Computing in Undergraduate Biology Education. September 5 2014. Banbury Center, Cold Spring Harbor Laboratory

He mentored the following:

- Prof. Seto mentored two emerging scholars and 1 honors scholar.

He reviewed for the following:

- Biology and Earth Sciences panel member to the PSC-CUNY, Cycle 45

He contributed the following:

- Chosen Photograph: LEGAL PETITION CALLS FOR NEW YORK STATE TO BAN SUPER-TOXIC RAT POISONS <http://earthjustice.org/news/press/2014/legal-petition-calls-for-new-york-state-to-ban-super-toxic-rat-poisons>

Prof. Smyth gave the following international presentations:

- Panel presentation: J But, **D Smyth** and H LaBoy. Reading Effectively Across the Disciplines. The *International Journal of Arts and Sciences'* conference. Harvard Medical School, May 2014 – Panel Presentation
- **Smyth DS**. Reading Effectively Across the Disciplines – Focus on Biology. The Teaching Professor Conference, May 2014 – Poster Presentation

She gave the following invited presentations:

- Seminar: **Smyth, DS**. Using *Staphylococcus aureus* as a Model Organism for Studying Bacterial Adaptation and Evolution. Brooklyn College Seminar 2013 Series. Host: Theodore Muth
- Panel Presentation: **Smyth, DS**. The intrinsic value of art and science. Panel presentation as part of the Underground Zero Project, July 2014, NYC.
- Seminar: **Smyth, DS**. Lessons learned from bacterial networks. How to land and keep that academic job. New York Medical College. June 2014. NYMCPA Seminar Series.
- Panel presentation: Emerging Trends in Biotech as part of the TECH U entrepreneurship symposium of Brooklyn Tech Triangle (<http://vimeo.com/93374319>).
- Panel Presentation: Women in Stem. Presented as panelist on the challenges of being a woman in STEM in Spring 2014. Host Janet Liou Mark.

She gave the following local presentations:

- Gave several oral presentations for the READ initiative in Summer 2013, Fall 2013, and Spring 2014. Presented a poster at the 11th Annual Faculty and Student Research Poster Session, 2013, City Tech, Brooklyn.

She is the liaison to the following grant:

- NSF Title: Urban Microbial Community Dynamics: A Classroom Approach. Replaced Prof Williams as the liaison to Brooklyn College.

She along with the social seminar committee organized:

- Fall 2013, as part of the social seminar committee, organized the seminars of Ms Deepshika Ramanan “What can the study of immunology tell us about inflammatory bowel disease” and Dr Issar Smith “Modern Approaches to Attack an Ancient Disease”
- In Spring 2014, organized two workshops on Scientific Teaching by Dr Matthew Marcello, PACE University.

She along with the BIB student club organized:

- Two seminars in Spring 2013. Dr Keith Micoli gave a seminar “Finding the Science Career that’s Right for You” and Mgavi Braithwaite gave a seminar “How training in Bioinformatics can shape your career”

She mentored the following students:

- As part of the emerging scholars program, Prof Smyth mentored 6 students in the study of the microbiology of the CityTech Campus and the role of reading in biology. Student George Cobos won best poster in the non-STEM category for his poster “How can peer led team learning workshops address student learning styles to facilitate independent student reading in BIO 1101”.
- Prof Smyth’s student, Aneicka Bookal had her extra credit assignment for microbiology, “*Hunting the Nightmare Bacteria*” accepted for publication in CityTech Writer.
- Prof Smyth’s student, Ayesha Rasool presented her work as part of READ and Biology at this year’s annual conference of the Peer Led Team Learning International Society in California and at the STEM C² Research Summit at Bergen Community College.

She received the following awards:

- Beitler Award. Title: Beitler Awards for Great Academic Improvement. Awarded: \$1200
- Two PDAC awards in Spring 2014.

She reviewed and edited the following:

- Reviewed several articles for PLoS One and BMC Infectious Diseases
- Appointed to editorial board of BMC Infectious Diseases

She attended the following:

- Attended the Sencer Summer Institute, in the University of North Carolina at Asheville with the NYCCT Team in Summer 2014.
- Attended the AREM workshop at Brooklyn College in Summer 2014.

Prof. Solis published the following:

- **Solis AD.** Deriving high-resolution protein backbone structure propensities from all crystal data using the information maximization device. PLoS One. 2014 Jun 4;9(6):e94334.

Prof. Tsenova published the following:

- **Tsenova L**, O'Brien P, Holloway J, Peixoto B, Soteropoulos P, Fallows D, Kaplan G, Subbian S. Etanercept exacerbates inflammation and pathology in a rabbit model of active pulmonary tuberculosis. *J Interferon Cytokine Res.* 2014 34(9):716-26.

She gave the following local presentations

- A Study on Healthcare-associated Infections and Multi-Drug Resistance, An Integrative Approach. Liana Tsenova, Urmi Ghosh-Dastidar, Arnavaz Taraporevala, and Pamela Brown. 11th Annual Poster Session of Faculty and Student5 Research, November 21st, 2013, City Tech, Brooklyn, NY.
- Herpes Simplex Virus - The Uninvited Guest that Stays Forever: Report on HSV-1 and HSV-2. Student Researchers: Kimberly Lawrence and Yuleisy Ruiz, Faculty Mentor: Prof. Liana Tsenova. Emerging Scholars Poster Session, 12/4/2013, City Tech.
- Etanercept Exacerbates Inflammation and Pathology in a Rabbit Model of Active Pulmonary Tuberculosis. World TB Day Symposium: Countdown to 2015', NY Academy of Science, March 24, 2014, New York.

She gave the following national presentations

- Changing the Course of TB Pathogenesis and Treatment. Keystone Symposia on Novel Therapeutic Interventions for Tuberculosis at Keystone, CO, March 30th - Apr.4th 2014.

She mentored the following:

- In the fall 2013 mentored two Emerging Scholars on a research project.
- Mentored Alketa Plaku to publish her work "The Epidemiologic Picture of Tuberculosis in Brooklyn" in *City Tech Writer: Outstanding Student Writing from All Disciplines*, 2014 issue

She was awarded the following:

- PDAC Professional Travel award Spring 2013

She reviewed the following:

- Reviewed 5 research proposals from full time faculty at the department, April 2013

She invited the following:

- Invited Prof. Issar Smith, PHRI at NJMS at Rutgers University, to give a talk *Modern Approaches to Attack an Ancient Disease - Tuberculosis*, Tuesday, April 8th, 2014,

She participated in the following:

- Participated in a workshop "Women in STEM", February 25, 2014.

Prof. Yehia published the following:

- Yu S, **Yehia G**, Wang J, Stypulkowski E, Sakamori R, Jiang P, Hernandez-Enriquez EB, Tran TS, Bonder EM, Guo W, Gao N. Global Ablation of Mouse Rab11a Impairs Early Embryogenesis and Matrix Metalloproteinase Secretion. *J Biol Chem.* 2014. Epub ahead of print

- Torres-Rosas R, **Yehia G**, Peña G, Mishra P, del Rocio Thompson-Bonilla M, Moreno-Eutimio MA, Arriaga-Pizano LA, Isibasi A, Ulloa L. Dopamine mediates vagal modulation of the immune system by electroacupuncture. *Nat Med.* 2014 20(3):291-5.

Prof. Zahran published the following:

- Vasu K, Nagamalleswari E, **Zahran M**, Imhof P, Xu SY, Zhu Z, Chan SH, Nagaraja V. Increasing cleavage specificity and activity of restriction endonuclease KpnI. *Nucleic Acids Res.* 2013. 41(21):9812-24.
- Laing C, Jung S, Kim N, Elmetwaly S, **Zahran M**, Schlick T. Predicting helical topologies in RNA junctions as tree graphs. *PLoS One.* 2013. 26;8(8):e71947.

Prof. Zameer published the following:

- Dutta DJ, **Zameer A**, Mariani JN, Zhang J, Asp L, Huynh J, Mahase S, Laitman BM, Argaw AT, Mitiku N, Urbanski M, Melendez-Vasquez CV, Casaccia P, Hayot F, Bottinger EP, Brown CW, John GR. Combinatorial actions of Tgf β and Activin ligands promote oligodendrocyte development and CNS myelination. *Development.* 2014 141(12):2414-28.

Chemistry - The chemistry department's principal responsibility is the teaching and earning of chemistry. The Chemistry department has a variety of courses ranging from general chemistry to analytical chemistry. The courses are designed to provide the students with the practical experience needed to solve real-world problems. For example, chemistry students study greenhouse effects, effects of acid rain and ozone layer depletion.

Prof. Brown published the following article

- P. Brown and M. Borrego, "Engineering efforts and opportunities in the National Science Foundation's Math and Science Partnerships (MSP)

program," Journal of Technology Education (2013) 24(2), 41-54.
<http://scholar.lib.vt.edu/ejournals/JTE/v24n2/>

Prof. Deiner published the following articles

- E. Farjami, M. Rottmayer, **L. J. Deiner**, "Evidence for Oxygen Reduction Activity of a Ni(OH)₂/graphene oxide catalyst," Journal of Materials Chemistry A, 1, 2013, 15501-15508
- J. F. Gomes, D. Profeti, and **L. J. Deiner**, "Influence of Particle Size Distribution on the Activity and Selectivity of Carbon Supported Platinum Nanoparticle Catalysts for Ethanol Electro-oxidation," (accepted, ChemElectroChem, August 2013, doi: 10.1002/celec.201300060, early view published online, Sept. 18, 2013)

He presented the following:

- **L. J. Deiner**, M. Rottmayer, B. Eigenbrodt, T. Jenkins, and T. Reitz. "Mechanochemical Approaches for Tailoring Nanostructure for Digitally Fabricated Ceramics" Poster presented at the 12th International Conference on Ceramic Processing Science, Portland, Oregon, August 4 - 7, 2013
- **L. J. Deiner**, G. Galford, G. Rowe, and N. Trun. "Incorporating Applications-Based-Service-Learning into an Instrumental Methods of Analysis Course" Poster presented at the Eastern Analytical Symposium and Exposition, Somerset, New Jersey, November 18 - 20, 2013

Prof. Martinez published the following articles:

- Robles-Escajeda, E.; **Martínez, A.** (co-first author); Varela-Ramírez, A.; Sánchez-Delgado, R.A.; Aguilera, R. (2013). Analysis of the Cytotoxic Effects of Ruthenium-Ketoconazole and Ruthenium-Clotrimazole Complexes on Cancer Cells. Cell Biology and Toxicology, 29, 431-443
- Iniguez, E.; Sánchez, A.; Vasquez, M.A.; **Martínez, A.**; Olivas, J.; Sattler, A.; Sánchez-Delgado, R.A.; Maldonado, R.A. (2013). Metal-Drug Synergy: New Ruthenium(II) Complexes of Ketokonazole Are Highly Active against Leishmania major and Trypanosoma cruzi and Nontoxic to Human or Murine Normal Cells. Journal of Biological Inorganic Chemistry, 18, 779-790

He presented the following:

- Oral presentation: "Efficacy of Small Molecules as Metal Ionophores in the Treatment of Alzheimer's Disease (AD)". ACS Undergraduate Research Symposium, April 27th, 2013, New York City (USA).
- Oral presentation: "Searching for New Chemotherapies Against Tropical Diseases". City Tech Faculty Research Conference, April 5th, 2013, New York City (USA)
- Poster-abstract: "A Resveratrol Analogue Selectively Chelates Cu(II) and Zn(II), Display Antioxidant Properties and Reduce in vitro Ab(1-40) Toxicity". Faculty Research Recognition Day. November 21st, 2013. NYC College of Technology (USA)

Prof. Samaroo published the following conference proceedings:

- **Diana Samaroo**, Suhua Zeng “Mathematics Undergraduates Leading Undergraduates enrolled in General Chemistry: Why this Works!” Peer-Led Team Learning International Society Second Annual Conference, University of Houston-Downtown, Houston, Texas, 2013

She presented the following:

- **Diana Samaroo**, Ralph Alcendor “Using Field-Based Undergraduate Research in Chemistry and Biology at City Tech”, Ninth Annual CUE conference, John Jay College, New York, 2013
- **Diana Samaroo**, Suhua Zeng “Mathematics Undergraduates Leading Undergraduates enrolled in General Chemistry: Why this Works!” Peer-Led Team Learning International Society Second Annual Conference, University of Houston-Downtown, Houston, Texas, 2013
- **Diana Samaroo**, Jody Rosen “Mentoring Initiatives at NY City Tech: A Mentoring Handbook for Faculty” poster presented at New York City College of Technology – 11th Annual Poster Session of Faculty and Student Research, New York, 2013
- **Diana Samaroo**, Ralph Alcendor “Using Field-Based Undergraduate Research in Chemistry and Biology at City Tech” poster presented at New York City College of Technology – 11th Annual Poster Session of Faculty and Student Research, New York, 2013
- **Diana Samaroo**, Charles Michael Drain, Xinbin Gu, Amit Aggarwal and Sunaina Singh “Efficacy of Self-organized Nanoparticles of Photodynamic Thereaputics & Theragnostics” poster presented at New York City College of Technology – 11th Annual Poster Session of Faculty and Student Research, New York, 2013
- Charles Michael Drain, **Diana Samaroo**, Xinbin Gu, Amit Aggarwal and Sunaina Singh “Efficacy of Self-organized Nanoparticles of Photodynamic Thereaputics & Theragnostics” Gordon Research Conference on Cancer Nanotechnology, Mount Snow Resort, West Dover, Vermont, 2013

Prof. Spellane published the following:

- A. Leonard, **P. Spellane**, "Using old maps and new methods to discover the early chemicals and petroleum industries of Newtown Creek," *Journal of Map and Geography Libraries*, 9, 25-43 (2013). DOI: 10.1080/15420353.2012.726205.

He presented the following:

- **Peter Spellane** and Anne Leonard, "Sugar, petroleum, sulfuric acid, and copper: an integrated approach to understanding chemistry, capitalism, and the growth of cities," New York City College of Technology Faculty Research Conference, April 5, 2013.
- **Peter Spellane** and Anne Leonard, Newtown Creek Markup of Google, New York City College of Technology Poster Session, November 21, 2013.
- **Peter Spellane**, Historical Maps, Geospatial Methods, and New York's Early Chemicals and Petroleum Industries, NY GEOCon, sponsored by the New York

State GIS Association, November 13, 2013, Saratoga, NY; published on-line at http://nysgis.net//Docs/NYGeoCon2013/Slides/Wed_0100_0230/HisMap3Spellane.pdf.

- Anne Leonard and **Peter Spellane**, Historical maps, geospatial methods, and Brooklyn's early chemicals and petroleum industries, presented to Brooklyn Waterfront Research Center at NYCCT, October 17, 2013.
- **Peter Spellane** and Anne Leonard, Sugar, petroleum, sulfuric acid, and copper: an integrated approach to understanding chemistry, capitalism, and the growth of cities, NYC College of Technology CUNY, Faculty Research Conference, April 5, 2013.

English - The English Department offers a wide range of courses in the study of literature. These include lower-level introductory courses and upper-level specialized courses, which both satisfy core and major curriculum requirements, and provide students with rich experiences of classic and contemporary texts.

Notable Achievements

Prof. Guida was declared a Scholar-on-Campus, New York City College of Technology, 2013-2014, the college's highest faculty distinction, through competition, from a field of nominees, by the college's Professional Development Advisory Council

Prof. Barlow is a faculty Editor, *Academe*, the magazine of the American Association of University Professors, Washington, DC. Term: 2013-2015, is an executive editor of the *Academe* blog (<http://academeblog.org/>) and is on the advisory Board of the *Bulletin of the American Association of University Professors* and is on the Editorial Board of the *Journal of Academic Freedom*.

He edited the following book

- Barlow, Aaron, ed. *Star Power: On the Impact of Branded Celebrity*. Santa Barbara, CA: Praeger Publishers, 2014, 2 volumes.

He published the following book chapters:

- "From Conrad Veidt to Christoph Waltz: The Nazi in American Film." In *A History of Evil in Popular Culture: What Hannibal Lecter, Stephen King, and Vampires Reveal About America*, Sharon Packer and Jody Pennington, ed. Santa Barbara, CA: Praeger, 2014.
- "DeFacing Race: Quentin Tarantino and the Use of a Racial Vulgarity." In *Star Power: On the Impact of Branded Celebrity*, Aaron Barlow, ed. Santa Barbara, CA: Praeger, 2014.
- "Lessons from Chaplin: Breaking the Arc of a Career." In *Star Power: On the Impact of Branded Celebrity*, Aaron Barlow, ed. Santa Barbara, CA: Praeger, 2014.

Grant Awards

Prof. Corbett received a PSC-CUNY Traditional A grant award - *A Usability Investigation of OpenLab Best Practices Among Faculty Users*. (\$2,300)

Prof. Mushabac received a 2014 CUNY Diversity Projects Development Fund Grant for "Spanish, Mizrahi, and Black Jews: Diversity and the Jews" to support readings of my fiction at CUNY and oral histories (\$5,000).

Prof. Guida received a Poets & Writers Grant for Poetry Reading at Saint John's University, Queens, New York, 2013

Prof Harris received a PSC-CUNY-44 Research Award, University Committee Research Awards, City University of New York (B-Level), July 1, 2013-June 30, 20

- "Another Colonialist Tool?" In *Invasion of the MOOCs: The Promises and Perils of Massive Open Online Courses*, Steven Krause and Charles Lowe, ed. Anderson, SC: Parlor Press, March, 2014.
- "If We Own It, We Can Destroy It: Fahrenheit 451 and Intellectual Property." *Critical Insights: Fahrenheit 451*, Rafeeq McGiveron, ed. Amenia, NY: Salem Press/Grey House Publishing, 2013.
- "Loss in the Language of Tomorrow: Journeying Through Tucson on the way to 'Usher II.'" In *Orbiting Ray Bradbury's Mars*, Gloria McMillan, ed. Jefferson, NC: McFarland, 2013.

He reviewed the following book:

- "Review of Garrington, Abbie, Haptic modernism: touch and the tactile in modernist writing and Halliday, Sam, Sonic modernity: representing sound in literature, culture and the arts." *CHOICE: Current Reviews for Academic Libraries*, December 2013, vol. 51 no. 04.

Prof. Corbett peer-reviewed the following article reprinted in anthology:

- Journet, D., Adkins, T., Alexander, C., Corbett, P., & Trauman, R. (2014). Digital mirrors: Multimodal reflections in the composition classroom. In C. Lutkewitte (Ed.), [*Multimodal composition: A critical sourcebook*](#) (358-359). New York, NY: Bedford/St. Martins.

He referees for the following:

- Information literacy and technology submissions for Teaching English in the Two Year College.

Prof. Guida wrote the following poems in peer-reviewed journals:

- "The Magic of Olive Oil" (poem), BlackHeart Magazine (February 2014).
- "American Race Song" (poem), LongIsland Quarterly <www.poetrybay.com/liquarterly> (Fall/Winter 2013)
- "Interview with Valentine" (poem), Poetrybay (Fall 2013)
- "The Long Valley" (poem), HarpurPalate 13.1 (Fall/Summer 2013): 36-37.

He made the following presentations:

- Featured Poet, Molloy College Reading Series, Molloy College, Rockville Centre, New York, May 2014
- "Virtue at the Coffee House," Scholar on Campus Talk, New York City College of Technology, Brooklyn, New York, March 2014
- Featured Poet (with AnnLauinger), Two Moon Reading Series, Brooklyn, New York, November 2013
- Featured Poet (with Sean Thomas Dougherty), Great Weather for Media Press Reading Series, New York, New York, November 2013
- Guest Poet, St. John's University, Jamaica, New York, October 2013
- Featured Author (with Donna Masini and Jo Sarzotti), Guerrilla Lit Series, New York, New York, September 2013
- Featured Writer, The New York Public Library/Italian-American Writers Association
- Reading at the Feast of San Gennaro, New York, New York, September 2013

- Featured Poet, Bird and BeckettBooks, San Francisco, California, September 2013

Prof. [Grujicic-Alatrisme](#) wrote the following peer reviewed articles:

- Grujicic-Alatrisme, L. (2013). A response to DePalma and Ringer's article "Toward a theory of adaptive transfer: Expanding disciplinary discussions of transfer in second-language writing and composition studies." *Journal of Second Language Writing (JSLW)*, 22(4), 460-464.
- Grujicic-Alatrisme, L. (2013). Psychoanalytic Literary Criticism: Using Holland's DEFT Model as a Reader Response Tool in the Language Classroom. *Journal of Language and Psychoanalysis* 1(2), 21-51.

She gave the following peer reviewed conference presentations:

- Grujicic-Alatrisme, L. (2014). "Genre Analysis of Academic Student-Generated Written Discourse." 41st International Systemic Functional Congress, Mendoza, Argentina, April 2014.
- Grujicic-Alatrisme, L. (2014). "Students Use Personal Narratives as Cultural Motifs in Writing." Conference on Language, Society and Culture, BCC, NY, March 7, 2014.
- Grujicic-Alatrisme, L., Susskind, C., & Fifer, A. (2014). "Using Clear Initiatives to Help HS ELLs Gain College Entry". 35th Annual Applied Linguistics Winter Conference, Teachers College, NY, March 1, 2014.
- Grujicic-Alatrisme, L., and Fifer, A. (November 2013). Higher Education SIG: Connecting with Secondary Schools. 43rd NYSTESOL Annual Conference: The Core of TESOL, White Plains, NY.
- Grujicic-Alatrisme, L. (November 2013). "Enhancing ESL Reading/Writing Instruction Through Technology Use." CUNY Conference on Best Practices in Reading and Writing, Laguardia CC, NYC.
- Grujicic-Alatrisme, L. (October 2013). "Responding to Literature: A Journey of Discovery." 39th International Conference on Language Teaching and Learning. Kobe, Japan.

She contributed the following conference proceedings:

- Grujicic-Alatrisme, L. (2014). Higher Ed SIG Event Summary. *Idiom* <http://nystesol.memberclicks.net>, spring 2014

She authored the following:

- Grujicic-Alatrisme, L. (2013). *Grammar Handbook and Language Workbook*. 1st edition, Dubuque, IA: Kendall Hunt.
- Grujicic-Alatrisme, L. (2013). *Reading and Vocabulary Workbook: A Companion to Urban Reader for College Writers*. 1st edition. Dubuque, IA: Kendall Hunt.

She received the following awards:

- Cambridge University ESOL Centennial Celebration: Invited Participant/Honorary Attendee 2013
- Title V Open Lab 3rd Year Fellow: Participated in Open Lab Materials Development

- Co-founder of NYS TESOL Journal: Managing Editor for Special Issue on Bilingualism and Special Education, published January 2014
- NYS Higher Education Conference Co-chair
- Highschool to College: Bridging the Gap, December 7, 2013

Prof. Harris wrote the following peer reviewed article:

- “On Flying Mules and the Southern Cabala: Flannery O'Connor and James Baldwin in Georgia.” *Renascence: Essays on Values in Literature* 65.5 (Fall 2013): 328-350.

She gave the following conference presentation:

- “The ‘Pleasant’ Lady in Flannery O’Connor’s ‘Revelation’: Grace Lee Unveiled.” Presented at the Louisville Conference on Literature and Culture Since 1900, University of Louisville, February 21, 2014.

She was an invited referee for the following:

- Invited referee, “What Counts: Social Drama and Connectedness in Flannery O’Connor’s ‘The River’ and ‘Revelation,’” essay under consideration for publication in *Mosaic: A Journal for the Interdisciplinary Study of Literature*, edited by Dawne McCance, Professor of Religion, University of Manitoba, Canada. Aug. 2014.
- Invited referee, “The Influence of Richard Hughes’s *High Wind in Jamaica* on Flannery O’Connor,” essay under consideration for publication in *Flannery O’Connor Review*, edited by Marshall Bruce Gentry, Professor of English, Georgia College and State University. July 2014.
- Invited Referee, “Tremendous Frontiers – Flannery O’Connor and the Catholic Writer’s ‘True Country,’” essay under consideration for publication in *Renascence: Essays on Values in Literature*, edited by John E. Curran, Professor of English, Marquette University. Nov. 2013.

Prof. Leston wrote the following:

- Leston, Robert, Geoffrey V. Carter, Sarah Arroyo, and Sherrin Frances. “The Idiocy of Videocy: Four Case Studies” *Itineration: Cross-disciplinary Studies in Rhetoric, Media, and Culture*. September (2013). Multimedia. <http://itineration.org/videocy>. ISSN 2169-561X (online)

He gave the following presentations:

- “Videocy in the Age of Open Access: The Challenges to Scholarship” 65th Annual Convention of the Conference on College Composition and Communication. Indianapolis, IN. March 19-22, 2014.
- “Sound out of Time: The Intervention of the Untimely.” 16th Rhetoric Society of America Biennial Conference. San Antonio, TX. May 22-26, 2014.

Prof. Mushabac gave the following presentations:

- “Pasha: Ruminations of David Aroughetti.” Latin American Jewish Studies Association 3rd Regional Conference, CUNY Academy for the Humanities and Sciences co-sponsor, “Session 3: New Works: Book Presentations and

Readings of Short Stories," Americas Society, New York City, 4 pm 1 May 2014.

- "Pasha: Ruminations of David Aroughetti." City College, Prof. Meghan Duffy's Theatre History course, Aaron Hall 01, 2 pm 1 May 2014. Invited fiction reading.
- "A Turkish Jew's Tale: 'Pasha.'" The 2014 Annual Frances Haidt Lecture Series, "Jewish Languages Used by Women and Other Jews." The Wolfe Institute for the Humanities in cooperation with the Departments of Judaic Studies, Puerto Rican and Latino Studies, Modern Languages and Literatures, English, Sociology, the Women's and Gender Studies Program, BC Hillel, CUNY Diversity Projects Development Fund Grant, Office of the President, Office of Diversity and Equity Programs, the Dean of Humanities and Social Sciences, and the Carol Zicklin Visiting Chair in the Honors Academy presents a Symposium on Yiddish and Ladino, Woody Tanger Auditorium, Brooklyn College Library, 24 April 2014. Invited fiction reading.
- "The Liberal Arts Academy, ASAP & the Creative Writing Club Present: A Reading & Discussion with Jane Mushabac." Queensborough Community College, Medical Arts Building M136, 3 April 2014. Invited fiction reading.
- "A Turkish Jew's Tale and Discussion." Baruch College, Prof. Brigitte Sion's course, The Jews of the Ottoman Empire and Modern Turkey, The William and Anita Newman Vertical Campus, 27 March 2014. Invited fiction reading.
- "A Reading and Q & A," Bronx Community College, Prof. April Pantoja's CLIP course, Butler Hall 301, 25 March 2014. Invited fiction reading.
- "A Reading and Q & A." NYCCT, Prof. Carole Harris's English Composition and Developmental Writing courses, 20 Feb. 2014. Invited fiction readings.
- "Loomings: Jane Mushabac and Jane Carver, Story and Song." Hunter College Open Studios at the MFA Building, New York City, 26 April and 27 April 2013. Invited fiction readings.
- "Joya Gormezano," monologue by Jane Mushabac performed by Tovah Feldshuh in her one-woman show, *Tovah: Out of her Mind!* (Jane Mushabac, Contributing Writer). Baruch Performing Arts Center, "Solo in the City," Baruch College, New York City, 10 March 2013.
- "Seven Songs, Seven Identities." Sephardic Montague Group, Greenfield MA. 19 July 2013. Invited reading.
- "Seven Songs: The Music of Turkish Jewry." Colgate University, Department of Jewish Studies. Saperstein Center, Hamilton, NY. 30 Jan. 2013. Invited reading.
- "Seven Songs, Seven Identities: Bridging the Past and the Future." Modern Language Association 128th national convention, Sephardic Studies Discussion Group. Hynes Convention Center, Boston. 6 Jan. 2013.

She received the following awards:

- 2013 Literary Arts Festival Fiction Contest Award for Faculty, NYCCT, for "Inecik, 1916" (\$50).
- 2013 Literary Arts Festival Poetry Contest Award for Faculty, NYCCT, for "The Night Before the Baby Shower" (\$50).

She wrote the following:

- "Sephardic Jewry: Not Built in a Day," review essay on *After Expulsion: 1492 and the Making of Sephardic Jewry*. *Jewish Currents* 68.1 (Autumn 2013): 65-67.
- "Seven Songs, Seven Identities: Bridging the Past and the Future." *Sephardic Horizons*, online journal 3.2 (Summer 2013)
<http://www.sephardichorizons.org/Volume3/Issue2/Seven.html>
- "Yedi Sarki," "Seven Songs" essay by Jane Mushabac. Trans. into Turkish by Alegresse Delail. <http://www.hasturktv.com/anti_semitizm/4537.htm> online 17 October 2012 to current.

Her students won the following creative writing awards:

- She nominated Kimberly La Force, former student in my ENG 1141 Creative Writing course, now in Columbia University's Narrative Medicine graduate program, for full tuition Merit Scholarship she won to New York State Summer Writers Institute at Skidmore College (two weeks), July 2014 (\$1,400).
- Student Sadeysa Gonzalez for essay written for my ENG 1101 course won 3rd Prize (\$250) in the 2014 CUNY Labor Arts "Making Work Visible" Contest.
- Student Tenzin Sherpa for essay written for my ENG 1101 course won Honorable Mention (\$100) in the 2014 CUNY Labor Arts "Making Work Visible" Contest.
- Student Fouad Medjekdoud for essay written for my ENG 1101 course won NYCCT 33rd Annual Literary Arts Festival 1st Place (Tie) in Michele Forsten Advocacy Award (cash) for "The Shepherd: A Virtuous Life."
- Six students for work written for my ENG 1141 Creative Writing course won 2014 Awards (cash) in the NYCCT 33rd Annual Literary Arts Festival April 2014: Steven Diakite, 3rd Place Poetry Award for "Yet We Have to Come to Work. ", Chiamaka Odunze, 2nd Place Fiction Award for "My Womanhood. ", Yuliya Zavolunova, 3rd Place Fiction Award for "A Tragedy.", Desiree R. Goodlett, 1st Place Drama Award for "Tha' Same Ol' Thang.", Christopher McRae, 2nd Place (Tie) Drama Award for "Hello.", Krenare Lajiq, 2nd Place (Tie) Drama Award for "Next Stop, New York."
- Student Michael Youmans for short story written for my ENG 1101 course won 3rd prize (\$250) in the 2013 CUNY Labor Arts "Making Work Visible" Contest.

Prof. [Saddik](#) wrote the following:

- "Tennessee Williams' Theatre of Excess." Invited essay for the programme of Artscape's production of Tennessee Williams' *One Arm* (opened August 28, 2014). Cape Town, South Africa.
- "Not Another *Streetcar*: The Tragicomic Playfulness of *A Lovely Sunday for Creve Coeur*." Invited essay for the programme of the Shaw Festival Theatre's production of Williams' *A Lovely Sunday for Creve Coeur* (opened July 12, 2014). Niagra-on-the-Lake, Canada.
- "There's Something Not Natural Here": Grotesque Ambiguities in Tennessee Williams' *Kingdom of Earth*, *A Cavalier for Milady*, and *A House Not Meant to*

Stand." In *A Critical Companion to Tennessee Williams*. Ed. Brenda Murphy. London: Methuen, 2014.

- "John Patrick Shanley." Invited 7000- word essay in *The Methuen Drama Guide to Contemporary American Playwrights*. Ed. Martin Middeke and Matthew C. Roudané. London: Methuen, 2014.
- "Sex, Lies, and Independent Film: Realism and Reality in Sam Shepard's Fool for Love." In *Modern American Drama on Screen*, ed. Robert Bray and Barton Palmer. Cambridge: Cambridge University Press, 2013.
- "Champion of the Fugitive Kind." Invited programme essay for the production of *Sweet Bird of Youth* at the Old Vic, starring Kim Cattrall (opened June 1, 2013). London, England.

Prof. Westengard wrote the following:

- "Gothic Gaga: Monstrosity, Trauma, and the Strategic Artifice of Lady Gaga's Pop Stardom." *Star Power: The Impact of Branded Celebrity*. Ed. Aaron Barlow. Santa Barbara: Praeger, 2014.

She presented at the following:

- International Conference on Psychology and the Arts (PsyArt) (International), hosted by Universidad Complutense de Madrid, Spain (June 2014). Paper title: "'The Horror of Nothing To See': Trans* Invisibilities, Insidious Trauma, and Gothic Queer Culture"
- Modern Language Association (MLA) conference (National), Chicago, IL (January 2014). Session title: "Between 'Gay' and 'Queer'". Paper title: "Queer Vampires and the Fantasy of Liberal Progress in *True Blood* and the *Sookie Stackhouse* Series"
- Modern Language Association (MLA) conference (National), Chicago, IL (January 2014). Session title: "Appraising and Reappraising Canonicity in Four U.S. Queer of Color Writers." Paper title: "'Conquering Immortality': Revisiting Gil Cuadros' *City of God* as Historical Past and Queer Future"

She chaired and presented at the following:

- Northeast Modern Language Association (NeMLA) conference (Regional), hosted by Susquehanna University. (April 2014). Session chair and presenter. Session title: "Civil Rights Discourse in Post-Stonewall LGBTQ Texts," Women's and Gender Studies Area. Paper title: "Queer Vampires and the Fantasy of Liberal Progress in *True Blood* and the *Sookie Stackhouse* Series"
- Pacific Ancient and Modern Language Association (PAMLA) conference (Regional), sponsored by University of San Diego (November 2013). Session title: Stages Beyond Life: The Undead and Culture II. Paper title: "Vampire Fantasy: Terrorism, Trauma, and the Undead in Post-9/11 Popular Culture."

Humanities - The Department of Humanities welcomes new full-time faculty member Dr. Zhijian Qian. Dr. Zhijian's research interests include sinicized modernism in twentieth-century Chinese art, issues related to nationalism and globalism in contemporary Chinese art, and the changing role of politics in art and culture of modern and contemporary China.

Notable Achievements

Prof. Berger, Prof. Cheng, Prof. Standing, and Prof. Swift were involved in the General Education Title V Grant "A Living Laboratory: Revitalizing General Education for a 21st Century College of Technology" in 2013.

Grant Awards

Last year, **Prof. Delilkan** was a principle investigator on the workforce development initiative grant "Bilingualism and the NYC Labor Market: Creating a competitive Edge for City Tech Graduates."

The Humanities Department's **Works in the Works** series showcased its rich diversity of research interests here. Presentations included:

- Sandra Cheng, "Looking at Monstrous Children: From Prodigy to Nature's Artifice."
- Sharon Freeman, "Hiding in Plain Sight: Unsung Women Innovators in Jazz."
- Victoria Lichterman, "Genocide Prevention: can it be taught?"
- Cathy Santore, "La Nuda."
- Denise Scannell, "Sex, Murder, and Communication in Italy: The Case of Amanda Knox."
- Sarah Standing, "Musical Theatre in the Wild: R. Murray Schafer and Eco-Theatre."
- Christopher Swift, "Space Walk."
- Shauna Vey, "A Theatre Historian's Adventures in Childhood Studies: A New View of the Nineteenth-Century Child Star Persona."

Prof. Cheng continues her work as curator of the Faculty Commons, curating faculty-staff juried art exhibitions for the display space in Namm 227. Dr. Cheng directed planning for the inaugural exhibition "Urban Beauty," which began in Fall 2013. Dr. Cheng also served as Co-Editor and member of the Editorial Advisory Board for the online journal Open Inquiry Archive: <http://openinquiryarchive.net/>.

She gave the following presentations:

- "The Monstrous Piazza: Francesco Villamena's Prints of Grotesque Itinerants." Annual Meeting of the Renaissance Society of America. New York City, 27-29 March, 2014.
- "Visualizing Monstrous Children: From Prodigy to Nature's Artifice." Annual Conference of the Sixteenth Century Society. San Juan, Puerto Rico, 24-27 October 2013.

Prof. Delilkan chaired the following conference session:

- "Conference on Weight in Phonology and Phonetics," *CUNY Phonology Forum*. New York City, 16-17 January, 2014.

Prof. Scannell was an invited panelist for:

- "Italian American Stereotypes." The National Italian American Foundation (NIAF) 39th Annual Convention. Washington D.C., October, 2014.

She presented the following:

revisited." *Italian American Studies*
Conference. Toronto, October, 2014.

Environmental stagings of the traditional Passion
of Saint Matthew at The Passion of Saint John,
Standing's written dramatic work was staged
at the Indoah International Playwrights festival.

- "Eco-Theatre: R. Murray Schafer and Eleanor James in Conversation with Sarah Ann Standing." *PAJ: A Journal of Performance and Art* 36.1 (January, 2014): 35-44.

She presented the following:

- "Greenpeace's Performative 'Save the Whales' Campaign: Towards a Rupture of the Neoliberal Agenda" at *Restoring Balance: Ecology, Sustainability, Balance*, Australasian Association for Theatre, Drama and Performance Studies. Victoria University of Wellington, New Zealand. June 27, 2014.

Prof. Swift along with **Prof. Smith** from the Entertainment Technology Department, directed a two-semester interdisciplinary Emerging Scholars project involving students from various fields. The project culminated in the display of a 21st century "Eidophusikon" theatre machine in the Atrium basement.

He published the following:

- "Technology and Wonder in Thirteenth-Century Iberia and Beyond." In *Performing Objects and Theatrical Things*, edited by Marlis Schweitzer and Joanne Zerdy, 21-35. New York: Palgrave Macmillan, 2014.

He presented the following:

- "Peeling the Cosmic Onion: Performance of Universal Divinity in Small Places." International Federation for Theatre Research, Warwick, U.K., August, 2014.
- "Space Objects: Ritual Encounter with Place." The International Congress on Medieval Studies, Kalamazoo, Mich., May 2014.

Prof. Vey published the following:

- "An American antebellum child-actor contract: Alfred Stewart and the shift from craft apprentice to wage laborer." In *Children and Entertainment: the participation of children in the entertainment industry*, edited by Gillian Arrighi and Victor Emeljanow, 33-50. New York: Palgrave Macmillan, 2014.

She presented the following:

- "Angels Forever: The Nineteenth-Century Child Actress Performing Dead or Alive." American Society for Theatre Research. Dallas, 8 November, 2013.

Prof. Schwartz directed the premiere of the full-length drama, "Spoiling for Justice" at the American Theatre of Actors in Manhattan.

[Mathematics](#) - The Mathematics department is one of the largest departments in the college. This department offers variety courses to advanced undergraduate courses. The mathematics department also offers three degree programs, an associate degree program (AS) in Computer Science, a baccalaureate degree program (BS) in applied mathematics, and a baccalaureate degree program (BS) in mathematics education.

Notable Achievements

Prof. Liou-Mark was awarded the Mathematics Association of America Metro New York Section 2014 Award for Distinguished Teaching of Mathematics in May 2014

Prof. Bessonov published the article

- "A mean field approximation of the Bolker-Pacala population model" in Markov Processes and Related Fields, volume 20 (2014), pp. 329-348 (with S. Molchanov and J. Whitmeyer).

Prof. Calinescu published the following papers:

- "Graded dimensions of principal subspaces and modular Andrews-Gordon-type series." Communications in Contemporary Mathematics, Vol. 16, No.4, 2014 (with K. Bringmann, A. Folsom and S. Kimport)
- "Vertex-algebraic structure of principal subspaces of standard A_2 -modules, I." International Journal of Mathematics, Vol. 25, No. 7, 2014 (with J. Lepowsky and A. Milas)

She co-organized the following:

- "Representation theory, combinatorics and categorification." A special session for the Regional Meeting of the American Mathematical Society, Temple University, Philadelphia, PA, Oct. 12-13, 2013
- The CUNY Representation Theory Seminar, a weekly seminar at the CUNY Graduate Center

Grant Awards Received

Prof. Bessonov was awarded a PSC-CUNY Trad A grant "Probabilistic models in mathematical biology" (\$3500)

Prof. Calinescu was awarded a Collaboration Grant for Mathematicians by Simons Foundation, 2014-2019 (\$35,000.) and was also awarded a Trad A PSC CUNY grant 2014-2015 (\$3,500).

Prof. Douglas was awarded an NSF NOYCE grant as Co-PI (\$1,418,976) Title: NOYCE Explorers, Scholars, Teachers (NEST): Fostering the Creation of Exceptional Mathematics and Technology Teachers in New York City for 2014-2019. He was also awarded a PSC-CUNY Trad A grant (\$3500) for 2013/2014 and (\$3500) for 2014/2015.

Prof. Johnstone was awarded a CUNY Collaborative Incentive Research Grant "Weak embedding phenomena in ω_1 -like models of set theory," (with J. D. Hamkins) September 2013, round #20 (\$30,000).

Prof. Tradler was awarded an NSF grant (\$37,000.00) for a workshop at the CUNY Graduate Center in August 12-14, 2014 as co-PI, in collaboration with S. O. Wilson and Mahmoud Zeinalian. DMS - 1430395 Title: "The

Grant Awards Continued

Prof. Kahrobaei was awarded an ONR Research Grant New Approaches to Information Security Based on Group Theory (\$448,962) with V. Shpilrain, 2012-2015 and an National Science Foundation, I-Corps, PI, Division of Industrial Innovation and

She served as a referee for papers in Journal of Pure and Applied Algebra and Communications in Algebra.

Prof. Douglas published the following:

- "The GraviGUT algebra is not a subalgebra of E_8 , but E_8 does contain and Extended GraviGUT algebra." SIGMA. 10, 072 (2014) (with J. Repka)
- "The Euclidean algebra in rank 2 classical Lie algebras." Journal of Mathematical Physics, 55, 061701 (2014) (with J. Repka and W. Joseph)
- "The Poincare algebra in rank 3 simple Lie algebras." Journal of Mathematical Physics, 54, 023508 (2013) (with H. de Guise and J. Repka)
- "Classification of embeddings of abelian extensions of D_n into E_{n+1} ." Journal of Pure and Applied Algebra, 217, 1942-1954 (2013) (with D. Kahrobaei and J. Repka)

He presented the following:

- "Levi decomposable algebras in the classical Lie algebras" at the 30th International Colloquium on Group Theoretical Methods in Physics at Ghent University, Ghent, Belgium, July 15, 2014.

He co-organized:

- "Representation theory, combinatorics and categorification" special session at the Fall Eastern Sectional Meeting of the American Mathematical Society, Temple University, Philadelphia, PA, October 12-13, 2013
- The 8th Annual City Tech Faculty Research Conference. He also acted as Chair of Arts and Science Panel
- Workshop for the Content Specialty Test in Mathematics for Initial Teacher Certification. City Tech, Summer 2014
- Geometer's Sketchpad Workshop for the NSF NOYCE Grant. City Tech, Summer 2014

He was the co-organizer of the following seminars:

- CUNY Representation Theory Seminar, CUNY Graduate Center, 2010-present
- New York Applied Algebra Colloquium, CUNY Graduate Center, 2008-present

He refereed an article for the journal Communications in Algebra in 2014 and has been on the PSC-CUNY Research Grant Mathematics Review Panel since 2008.

Prof. Johnstone published the following:

- "On ground model definability." Infinity, Computability, and Metamathematics: Festschrift in honor of the 60th birthdays of Peter Koepke and Philip Welch, College Publications: Tributes, vol. 23, pp. 205-227, April 2014 (with V. Gitman)

Grant Awards Continued

Prof. Poirier was awarded a PSC-CUNY Trad A 2014-2015 (\$3444.50).

Prof. Schoutens was awarded a PSC-CUNY Trad B grant.

Prof. Singh was awarded the Computer Science component of the PERKINS GRANT 2013-2014 (\$22,400) and a PSC-CUNY Trad A grant 2014 (\$3499.64).

- "Resurrection axioms and uplifting cardinals." *Journal of Mathematical Logic*, vol. 53 (3-4): pp. 463-485, May 2013
- "Strongly uplifting cardinals and the bounding number." *Journal of Mathematical Logic*, special volume on the occasion of the 70th birthday of J. D. Hamkins, to appear (with J. D. Hamkins)

He presented the following:

- "To Infinity and Beyond." 8th Annual City Tech Math Club lecture, New York City College of Technology, Oct 2013
- "Bagaria's characterization of forcing absoluteness." CUNY Set Theory Seminar, Dec 2013
- "Josephus Problem, or how to survive with 1000 people." City Tech Math Club, Oct 2013
- "Archimedes' bounds for the mathematical constant e ." City Tech Math Club, Mar 2014

He is the co-organizer of the following seminars:

- CUNY Set Theory Seminar, Jan 2014-present
- City Tech Math Club, Jan 2010-present

He served on the Exam committees for the Set Theory requirements in the Mathematics program of the City Tech: M. Habic (March 2014), K. Minden (April 2014)

Prof. Kahrobaei published the following:

- "A family of polycyclic groups over which the word problem is NP-complete." *IJAC, International Journal of Algebra and Computation*, Scientific, 24, no.4, 515-530 (2014) (with M. H. Ghobadipour)
- "Analyzing the Length Based attack for the discrete logarithm problem." *Journal of Mathematical Cryptology*, arxiv.org/abs/1305.0548, Journal of Mathematical Cryptology, 7(2), 1-12 (2013) (with D. Garber and H.T. Lam)
- "Heisenberg groups as platform for the secure network protocols." arXiv:1403.4165, Proceedings of the 9th workshop on Secure Network Protocols (NPSec' 14), IEEE Computer Society Press (Institute of Electrical and Electronics Engineers), 1-5 (2014) (with H. T. Lam)
- "A CCA secure cryptosystem using matrices over group rings." *Contemporary Mathematics*, American Mathematical Society, 9 pages, to appear (with C. Koupparis and V. Shpilrain)
- "Secret sharing using the Shortlex order and non-commutative groups." *Contemporary Mathematics*, American Mathematical Society, 10 pages, to appear (with D. Kahrobaei)
- "Metropolitan Mentors: Building a Network of Women in Mathematics and Computer Science across New York City." To appear in Elsevier Proceedings Series (with P. Brown)
- "Public key exchange using semidirect product of (semi)groups." *ACNS 2013, Applied Cryptography and Network Security, Lecture Notes Comp. Sc. 7954* (2013), 475-486 (with M. Habeeb, C. Koupparis and V. Shpilrain)

- "A Classification of Embedding of Abelian Extensions of D_n into E_{n+1} ." Journal of Pure and Applied Algebra, Elsevier, 217 (2013), 1942-1954 (with A. Douglas and J. Repka)
- "Public key exchange using matrices over group rings." Groups, Complexity, and Cryptology 5 (2013), 97-115 (with C. Koupparis and V. Shpilrain)
- "On the dimension of matrix representations of finitely generated torsion free nilpotent groups." Groups, Complexity, Cryptology 6 (2013), 193-210 (with M. Habeeb)
- "A Polynomial Time Algorithm For The Conjugacy Decision and Search Problems in Free Abelian-by-Infinite Cyclic Groups." Reports@SCM 1, No. 1, Electronic Journal of the Societat Catalana de Matematiques, to appear, 1-6 (2014) (with B. Cavallo)

She edited the following book:

- "Algorithmic Problems in Group Theory, Their Complexity and applications in Information Security." American Mathematical Society, Contemporary Mathematics 633, ISBN 978-0-8218-9859-8, to appear (with V. Shpilrain).

She conducted the following international research visits:

- Erwin Shrodinger International Institute for Mathematical Physics, University of Vienna, Austria, March 31-April 5, 2014
- Institute Henri Poincare, Paris, France, January 17-February 2, 2014
- Universitat Politecnica de Catalunya, Barcelona, November 21-December 1, 2013

She presented the following:

- "Conjugacy Problem in Polycyclic Groups in GAP." International Conference Talk, GAP Days 2014 (Groups Algorithm Programming), RWTH Aachen University (Rheinisch-Westflische Technische Hochschule Aachen), Germany, August 26, 2014. International Conference Talk
- "Public key exchange using extensions by endomorphisms and matrices over a Galois field." Invited workshop speaker, DIMACS Workshop on Multicore and Cryptography, Center for Discrete Mathematics and Theoretical Computer Science, Stevens Institute of Technology, NJ, July 21-23, 2014. Invited workshop speaker
- "Polycyclic groups: A Secure Platform for Cryptosystems Using Conjugacy Search Problem." Invited International Conference Talk, Workshop on New Directions in Cryptography, Satellite workshop of 9th Computer Science in Russia, Moscow, Russia, June 6-12, 2014. Invited International Conference Talk
- "A CCA secure cryptosystem using matrices over group rings." Invited International Conference Talk, The Second Joint Meeting American Mathematical Society with the Israel Mathematical Union Meeting, Special Session in Applications of Algebra in Cryptography, Tel-Aviv University, Israel, June 16-19, 2014. Invited International Conference Talk
- "Public key exchange using extensions by endomorphisms and matrices over a Galois field." Invited International Conference Talk, Canadian Mathematical

Society Meeting, Special Session in Groups and Algorithms, Ottawa, Canada, December 6-9, 2013. Invited International Conference Talk

- "A Cryptosystem Secure Against Chosen Ciphertext Attack using Matrices Over Group-Rings." Invited Seminar Talk, CUNY Graduate Center, Algebra Cryptography Seminar, November 15, 2013. Invited Seminar Talk
- "Recent Development in Group-Based Cryptography." Invited Seminar Talk, Rutgers University New Brunswick, Algebra Seminar, September 4, 2013. Invited Seminar Talk
- "Playing with Polycyclic Groups and Applications to Cryptography." Invited Colloquium Talk, Smith College, MA, September 12, 2013. Invited Colloquium Talk
- "RSA Algorithm." City Tech Math Club Talk, October 24, 2013

She was an invited panel member in the following:

- Association for Women in Mathematics, Joint National Mathematics Meeting, American Mathematics Society Meeting, Building a Research Career in Mathematics, January 15, 2014
- 2014 Emerging Researchers National (ERN) Conference in STEM, International Research Collaboration, February 2014 (All expenses paid)
- A grant writing workshop in the Faculty Common at City Tech, organized by Associate Provost Brown, October 15, 2013

She co-organized the following:

- The Second Joint Meeting American Mathematical Society with the Israel Mathematical Union Meeting, Special Session in Applications of Algebra in Cryptography, Bar-Ilan University, Ramat-Gan and Tel-Aviv University, Tel Aviv, Israel (June 16-19, 2014) (with D.Garber at Holon Institute in Israel)
- Manhattan Algebra Day V, CUNY G.C. (December 6th 2013) (with G. Baumslag (CCNY), A. Miasnikov (Stevens), O. Kharlampovich (Hunter), V. Shpilrain (CCNY), S. Ushakov (Stevens))
- Panel Discussion, THE INTRINSIC VALUE PROJECT 1: A meeting at the crossroads - science, performance and the art of possibility, Part of undergroundzero festival, New York, July 9-10, 2014 (with H. Deyner)
- Annual Poster Session, City Tech, November 2013
- Co-organizer of the Algebra-Cryptography Seminar, CUNY Graduate Center (Since Spring 2013) (with V.Shpilrain, A.Miasniiov, R.Gilman)
- Mathematics Seminar Series, NYCCT, CUNY, Brooklyn since September 2007 (with Hans Schoutens). Professor Kahrobaei is also a co-founder
- C-LAC Seminar, NYCCT, CUNY, since Fall 2008 (with A. Douglas). Professor Kahrobaei is also a co-founder.
- New York Applied Algebra Colloquium, CUNY Graduate Center since fall 2008 (with A.Douglas). Professor Kahrobaei is also a co-founder
- The City Tech Math Club since 2012 (with T. Johnstone).

She obtained the following patents:

- "Public key exchange using semidirect product and matrices over a Galois field." Patent No. 3069349 US01 (2014) (with H. T. Lam, V. Shpilrain)

- “Decoy-based secure delegation of computation, with application to RSA encryption.” Patent No. 3071140 US01 (2014) (with B. Cavallo and V. Shpilrain)
- “Efficient Fully Homomorphic Encryption and Private Search from Isomorphisms Between Rings.” Patent No. 3071521 US01 (2014) (with H. T. Lam and V. Shpilrain)

She contributed as an editor or reviewer in the following:

- Invited Reviewer for American Association for the Advancement of Science (AAAS) research proposals, 2013
- Reviewer for Mathematical Reviews (MR), American Mathematical Society (AMS) (since 2011)
- Computing Reviewer for The Association for Computing Machinery (ACM) since 2013
- Panel Member for the research projects of the PSC CUNY Grants in Computer Science, Research Foundation of City University of New York (2011, 2012, 2013, 2014)
- Member of the Editorial Board of International Journal of Open Problems in Computer Science and Mathematics since 2008

She supervised the following students:

- H.T. Lam (Ph.D. 2014 in Mathematics) CUNY Graduate Center
- H.T. Lam (Postdoctoral, 2014) CUNY Graduate Center
- B. Cavallo (Ph.D. 2015 in Mathematics) CUNY Graduate Center
- J. Gryak (Ph.D. in Computer Science 2018) CUNY Graduate Center
- S. Fanja Ngnesse (Ph.D. in Computer Science 2016) CUNY Graduate Center

She organized the following:

- Mathematical Aspects of Cryptography Student Seminar since 2009
- Chair of the organizing committee of the 8th Annual Faculty Research Conference, City Tech, May 2, 2014.

She has served on the following

- Advisory Council by an invitation by AP Brown, to mentor faculty in obtaining external grants.

She was invited to give a talk at the following:

- International Conference Geometric and Asymptotic Group Theory and Applications Conference, Newcastle, Australia, July 21-25 2014 (cancelled due to conflicting schedule.) Her PhD student gave a joint talk in her place.

Prof. Liou-Mark published the following:

- “An Effective Model for Enhancing Underrepresented Minority Participation and Success in Geoscience Undergraduate Research.” Journal of Geoscience Education, 61(4), 405-414 (2013) (with R. Blake & C. Chukuigwe).
- “Learning Geosciences in Virtual Worlds: Engaging Students in Real-world Experiences.” In M. Searson & M. Ochoa (Eds.), Proceedings of the Society for Information Technology and Teacher Education International Conference 2014, 658-664, Chesapeake, VA: AACE (2014) (with R.D. Lansiquot & R. Blake).

- “The Companion for the First Year at City Tech” (4rd edition). ISBN: 978-1-4507-2147-9. (2014) (with L. Aguirre, A.E. Dreyfuss, & J. Sears)

She was awarded the following:

- Association for the Advancement of Computing in Education (AACE) Outstanding Paper Award, Learning Geosciences in Virtual Worlds: Engaging Students in Real-World Experiences, Society for Information Technology and Teacher Education, SITE 2014 25th International Conference. (with R.D. Lansiquot & R. Blake)

She presented the following:

- “Exploring the Geosciences.” Oral presentation at the Subway-Surface Air Flow Exchange Brookhaven National Laboratory Internship Program, New York City College of Technology, Brooklyn, NY, July 10, 2013
- “The Citadel of Hope Library: Empowering, Engaging, and Educating Communities in Malawi, Africa.” New York City College of Technology, Brooklyn, NY, September 24, 2013
- “Eradicating Barricades for First-Year Underrepresented Students in STEM: A Summer Bridge Intervention.” Oral presentation at the New York State Mathematics Association of Two-Year Colleges Region IV Conference, New York City College of Technology, Brooklyn, NY, October 20, 2013.
- “Overcoming Challenges in a Peer-Led Mathematics Work Space.” Oral presentation at the New York State Mathematics Association of Two-Year Colleges Region IV Conference, New York City College of Technology, Brooklyn, NY, October 20, 2013
- “Critical Components of a Successful Undergraduate Research Experience in the Geosciences for Minority Students.” Invited speaker at the 47th Annual Meeting of the American Geophysical Union, San Francisco, CA, December 12, 2013
- “Promoting the Geosciences for Minority Students in the Urban Coastal Environment of New York City.” Poster presented at the 47th Annual Meeting of the American Geophysical Union, San Francisco, CA, December 10, 2013
- “Engaging Students During the Academic Year” and “Important Tips and Tools: Calendars and More.” Invited workshop presenter for the American Geophysical Union Workshop on Developing a Successful Research Experiences for Undergraduates, San Francisco, CA, December 9, 2013
- “Promoting the Geosciences among Middle and High School Students in the Urban Coastal Environment of New York City.” Invited speaker at the 94rd Annual Meeting of the American Meteorological Society, Atlanta, Georgia, February 3, 2014
- “Safety Structures for Successful Undergraduate Research Apprenticeships: Supporting Underrepresented Minorities in STEM.” Invited speaker at the 94rd Annual Meeting of the American Meteorological Society, Atlanta, Georgia, February 4, 2014
- “Critical Elements in Advancing Authentic Research Experiences for Underrepresented Students.” Poster presented at University Corporation for

Atmospheric Research NSF REU PI meeting, Boulder, Colorado, March 19, 2014

- “Models of Undergraduate Tutoring in STEM Education-What Works?” Invited oral presentation and panelist at the STEM C² Research Summit, Bergen Community College, Paramus, New Jersey, April 11, 2014
- “Models of Undergraduate Student Research in STEM Education-What Works?” Invited oral presentation and panelist at the STEM C² Research Summit, Bergen Community College, Paramus, New Jersey, April 11, 2014
- “Foundational Math Courses: Why Use Peer Support?” Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Nassau Community College, Garden City, New York, May 3, 2014
- “Summer Bridge Programs for Incoming Freshmen: Why Is It Important to Have A Math Preparatory Component?” Oral presentation at the annual meeting of the Metropolitan New York Section of the Mathematical Association of America, Nassau Community College, Garden City, New York, May 3, 2014
- “Peers Inspiring Peers: Why a Summer Bridge-to-College Program Benefits from this Partnership.” Paper presented at the 3rd Annual Meeting of the Peer-Led Team Learning International Society, California State University-Dominguez Hills, Carson, California, May 31, 2014

She co-organized the following:

- The Subway-Surface Air Flow Exchange Brookhaven National Laboratory Internship Program held at New York City College of Technology (July 8-19, 2013)
- Women in STEM: Challenges and Triumphs Luncheon (February 25, 2014) and Policies and Actions (April 3, 2014)
- The 2014 Mathematical Association of America Metropolitan New York Section Meeting hosted by Nassau Community College (May 3, 2014)
- The Peer-Led Team Learning International Society 3rd Annual Conference hosted by California State University at Dominguez Hills (May 29-31, 2014)

She was elected The Mathematical Association of America Metropolitan New York Section’s Vice-Chair for Four-Year Colleges (2012-2015)

Prof. Masuda attended the following conferences:

- Workshop on Polynomials over Finite Fields: Functional and Algebraic Properties, Centre de Recerca Matemàtica, Barcelona, Spain, May 19-24, 2014.
- Workshop on Combinatorial and Additive Number Theory, CUNY Graduate Center, May 27-30, 2014.

Professor Masuda presented the poster

- “Enumerating Acyclically Oriented Subgraphs” at the City Tech Eleventh Annual Poster Session of Faculty and Student Research, November 21, 2013.

Professor Masuda co-organized:

- NYSMATYC (New York State Mathematics Association of Two-Year Colleges) Regional Meeting at City Tech on October 20, 2013.

Professor Masuda reviewed a paper for the American Mathematical Society's Mathematical Reviews and a research grant proposal.

Prof. Poirier published the following:

- "On the higher topological Hochschild homology of F_p and commutative F_p -group algebras" to appear in Banff Women in Topology Workshop proceedings (with I. Bobkova, A. Lindenstrauss, B. Richter and I. Zakharevich)

She presented the following:

- "Compactified combinatorial string topology." Center for Geometry and Physics Seminar, Center for Geometry and Physics, Institute of Basic Science, Pohang, South Korea, Summer 2014. Invited/International
- "Compactified combinatorial string topology." Algebraic Topology Seminar, University of Chicago, Spring 2014. Invited/national
- "Higher topological Hochschild homology of F_p algebras." Topology Seminar, CUNY Graduate Center, Spring 2014. Invited/local
- "String topology for representation theorists." Representation Theory Seminar, CUNY Graduate Center, Spring 2014. Invited/local

She was the scientific organizer for

- "West Coast Algebraic Topology Summer School" at the University of British Columbia, July 7-12, 2014

Professor Poirier was a referee for The Proceedings of Gökova Geometry-Topology Conference

Prof. Schoutens published the following:

- "O-minimalism." Journal of Symbolic Logic, 79, 355-409 (2013)
- "Dimension and singularity theory for local rings of finite embedding dimension." Journal of Algebra 386 (2013), 1-60.
- "Computationally categorical fields via Fermat's Last Theorem." Computability 2 (2013), 51-65 (with R. Miller)

He presented the following:

- "Higher canonical modules and some applications" at the CUNY Commutative Algebra and Algebraic Geometry Seminar NY, NY 2014
- "Towards small CM modules in dimension three" at the Regional AMS meeting, special session 'Interactions in Commutative Algebra' at Univ. of New Mexico, Albuquerque NM, 2014
- "Why model-theorists shouldn't think that ACF is easy" at the CUNY Logic Workshop NY, NY 2013
- "Ordinal length" at the 2nd International Eurasian Conference On Mathematical Sciences And Applications (IECMSA), Sarajevo, Bosnia-Herzegovina 2013
- "Going to great lengths..." at the MATHFEST 2013, Special session in Commutative Algebra, Hartford, CT 2013

Prof. Singh published the following article:

- "An Evaluation of Skewed Integrals via Substitution." Mathematics and Computer Education. Volume 47, Number 3, pp 181-184, December 2013

He solved the following problems:

- "Is this a convex function?" Problem 11639, The American Mathematical Monthly of the Mathematical Association of America. Volume 121, Number 2, p 174, February 2014
- "Evaluation of an improper integral." Problem 997, The College Mathematics Journal of the Mathematical Association of America. Volume 45, Number 2, p 147, March 2014
- "Evaluate an Integral." Problem 11639, The American Mathematical Monthly of the Mathematical Association of America. Volume 121, Number 2, pp 173-174, February 2014

He presented the following:

- "Nathanson's Lambda Sequences." INTEGERS 2013: The Erdos Centennial Conference at the University of West Georgia, Carrollton Georgia on October 24-27, 2013, presented on October 27th, 2013
- "Evaluation of Skewed Integrals via substitution." Mid-Hudson Mathematics Conference for undergraduates at Bard College, Annandale-on-Hudson, New York, November 2nd, 2013
- "Skewed Integrals." 2014 Nysmatyc Annual Conference: The Career Journey, April 4th-6th, 2014 at Owego NY. Presented on April 5th, 2014
- Presider at the 2014 Nysmatyc Annual Conference: The Career Journey, April 4th-6th, 2014 at Owego NY
- "An Evaluation of Skewed Integrals via Substitution." 8th annual CityTech Research conference, May 2nd, 2014
- "Expectations of random h-fold sums of certain uniform distributions." CANT 2014 (New York Number Theory Seminar, Twelfth Annual Workshop on Combinatorial and Additive Number Theory), CUNY Graduate Center May 27-30, Room C198, Presented on May 28th, 2014

Professor Singh mentored the following students:

- "The Rise of the primes as their Gaps Succumb" written by S. Shur, City Tech writer Volume 9, 2014.
- M. Afzal obtained a summer position at the Microsoft Research Data Science Summer School in 2014, R. Bishir, an NSF funded REU fellowship for undergraduates in Satellite and Ground-Based Sensing at NOAA-CREST 2 in summer 2014
- Z. Suhua, a summer internship at the Department of Energy (DOE) at the DOE laboratories in summer 2014.
- S. Tipton who presented "Simulations as a Predictor of Finite Sums of Fractional Powers of Uniform Distributions" at the MAA Metropolitan New York Section 2014 annual meeting at Nassau Community College on May 3rd, 2014.

Prof. Smith published the following:

- "Infinite motion and 2-distinguishability of graphs and groups." Journal of Algebraic Combinatorics (2014) DOI:10.1007/s10801-014-0529-2 (with W. Imrich, M. Watkins and T. Tucker)

He presented the following:

- "Primitive permutation groups with finite stabilizers." Banff International Research Station Workshop on Permutation groups, Banff, Canada, 26 Jul 2013
- "Infinite permutation groups with finite subdegrees." The Research Retreat of the University of Western Australia's Centre for the Mathematics of Symmetry and Computation, 10, 11, 12 Feb 14 (main lecture series of 3 lectures)
- "A new product for permutation groups." The 8th Geometric and Asymptotic Group Theory with Applications international conference (GAGTA8) in Newcastle, Australia, 21 Jul 14 (Plenary speaker)
- "Primitive permutation groups with finite stabilizers." Groups St Andrews Conference, St Andrews, Scotland, 5 Aug 2013
- "A new product for permutation groups." Meeting of the Australian Mathematical Society, Sydney, Australia, 30 Sep 13
- "The distinguishing number of infinite graphs." Australasian Conference on Combinatorial Mathematics and Combinatorial Computing, Perth, Australia, 10 Dec 13
- "Taking products of permutation groups." Centre for the Mathematics of Symmetry and Computation Seminar, University of Western Australia, Australia, 30 May 14
- "Infinite discrete primitive permutation groups", Computer-Assisted Research Mathematics and its Applications (CARMA) Seminar, University of Newcastle, Australia, 16 Jul 14

He co-organized (though was not a member of the international committee who decide who the plenary speakers should be)

- The 8th Geometric and Asymptotic Group Theory with Applications international conference (GAGTA8) in Newcastle, Australia, Jul 14.

He anonymously peer reviewed the following research proposals:

- Discovery Project grant application for the Australian Research Council. May 2014 (c\$300,000)
- Discovery Project grant application for the Australian Research Council. June 2014 (c\$600,000)
- DECRA grant application for the Australian Research Council. Jun 2014 (c\$300,000)

He was a referee for the following:

- Electronic Journal of Combinatorics, Bulletin of the Australian Mathematics Society and the Journal of Combinatorial Theory Series B in 2013 and 2014.

Prof. Thiel presented the following:

- "RATS Sequences in General Bases" at the Twelfth Annual Workshop on Combinatorial and Additive Number Theory, May 27, 2014

- "The XIMERA Project" at the 2014 NYSMATIC Annual Conference, April 5, 2014
- "Painting with light: visualizing mathematical concepts using long-exposure photography" at the 2014 NYSMATIC Annual Conference, April 5, 2014
- "Conway's RATS" at the NYCCT Math Club, February 27, 2014

He was a reviewer for

- Mathematical Reviews (MR), AMS

He was a faculty mentor for

- Emerging Scholar for the project "Wheel of Fortune: An Information Theory Approach" with P. Danshov in spring 2014.

Prof. Tradler organized the following:

- A workshop at the CUNY Graduate Center, August 12-14, 2014, in collaboration with D. Sullivan, S. O. Wilson, and M. Zeinalian.

He published the following:

- "Higher Hochschild Homology, Topological Chiral Homology and Factorization Algebras." Commun. Math. Phys. 326 (2014), p. 635–686 (with G. Ginot and M. Zeinalian).

He supervised the following:

- Ph.D. student Cheyne Miller at the CUNY Graduate Center

He refereed papers for Journal of Homotopy and Related Structures and for Journal of Pure and Applied Algebra.

Prof. Zhou published the journal Article

- "Wormlike micellar solutions: III. VCM model predictions in steady and transient shear flows." Journal of Non-Newtonian Fluid Mechanics, Vol 211, Pages 70-83, 2014 (with G. H. McKinley, L. P. Cook)

She gave the following presentations:

- "Pressure-Driven Oscillatory Flow of Wormlike Micellar Mixtures." The Society of Rheology 85th Annual Meeting, Montreal, Canada, Oct. 13-17, 2013
- "VCM Model Predictions in Steady and Transient Shearing Flows." The Benjamin Levich Institute for Physico-Chemical Hydrodynamics, City College of New York, CUNY, April 1, 2014

Physics - The Physics Department faculty were awarded 9 grants and published 30 papers during this time. The Physics Department hosted the international conference LoopFest XIII many members of the faculty were involved as organizers and presenters.

Notable Achievements

Prof. Blake was awarded the Association for the Advancement of Computing in Education (AACE) Outstanding Paper Award, Learning Geosciences in Virtual Worlds: Engaging Students in Real-World Experiences, Society for Information Technology and Teacher Education, SITE 2014 25th International Conference. (with R.D. Lansiquot & J. Liou-Mark)

Prof. Acquaviva published the following articles and refereed proceedings

- A.Hagen, R. Ciardullo, C. Gronwall, V. Acquaviva, et al (14 coauthors), "Spectral Energy Distribution Fitting of HETDEX Pilot Survey Ly α Emitters in COSMOS and GOODS-N", The Astrophysical Journal, Volume 786, Issue 1, article id. 59, 13 pp. (2014).

Grant Awards Received

Prof. Acquaviva was awarded a PSC-CUNY Trad A for "Galaxy Classification in HETDEX using Machine Learning" (\$3500)

Prof. Berman was awarded a PSC-CUNY grant PSC-CUNY 45 Research Award (TRADB-45-166) for \$5999.53

Prof. Blake was the PI for a NSF Research Experiences for Undergraduate (REU) grant - Research Experience for Undergraduates in Satellite and Ground-Based Remote Sensing at NOAA CREST_2 (\$794,307) from August 2011-July 2015. An additional NSF REU Supplement grant (\$125,393) was awarded for March 2014-July 2015.

Prof. Ferroglia was the recipient of the NSF award PHY-1417354. Project title: "Higher-Order Corrections to Massive Particle Production at the Large Hadron Collider", Principal Investigator. CoPI Prof. G. Ossola \$75000 per year for a period of 3 years. And the recipient of a PSC-CUNY 45 Research Award Project title: "Top

- The CANDELS collaboration (T. Wiklind et al), "Properties of Submillimeter Galaxies in the CANDELS GOODS-- South Field", The Astrophysical Journal, Volume 785, Issue 2, article id. 111, 19 pp. (2014).
- A.Vargas, H. Bish, V. Acquaviva, et al, "To Stack or Not to Stack: Spectral Energy Distribution Properties of Ly α -Emitting Galaxies at z=2.1", The Astrophysical Journal, Volume 783, Issue 1, article id. 26, 11 pp. (2014).
- The ACT Collaboration (J. Sievers et al.) "The Atacama Cosmology Telescope: Cosmological parameters from three seasons of data." Journal of Cosmology and Astroparticle Physics, Issue 10, article id. 060, pp. (2013).
- J. Feldmeier, A. Hagen, R. Ciardullo, C. Gronwall, E. Gawiser, L. Guaita, L. Hagen, N. Bond, V. Acquaviva, G. Blanc, A. Orsi, and P. Kurczynski, "Searching for Neutral Hydrogen Halos around z = 2.1 and z = 3.1 Ly α -Emitting Galaxies," The Astrophysical Journal, Volume 776, Issue 2, article id. 75, 15 pp. (2013).
- A. Satyanarayana and V. Acquaviva, "Enhanced Cobweb Clustering for Identifying Analog Galaxies in Astrophysics, Electrical and Computer Engineering (CCECE), 2014 IEEE 27th Canadian Conference, vol 1, pp. 4, 4-7 May 2014, doi: 10.1109/CCECE.2014.6901030

She presented the following

- Invited Review Talk in International Conference, "Using Lyman Alpha Emitters to unveil the nature of Dark Energy", European Week of Astronomy and Space Science, Geneva, Switzerland (2014).
- Contributed talk in International Conference, Low/High redshift classification "Low/High redshift classification of emission line galaxies in the HETDEX survey", 306 Symposium of the International Astronomical Union, Lisbon, Portugal (2014).
- Contributed talk in International Conference, "Enhanced Cobweb Clustering for Identifying Analog Galaxies in Astrophysics", IEEE Canadian conference for Electrical and Computing Engineering, Toronto, Canada (2014).

Prof. Berman published the following papers:

- O. L. Berman, Yu. E. Lozovik, A. A. Kolesnikov, M. V. Bogdanova, and R. D. Coalson, "Surface plasmon polaritons and optical transmission through a

Grant Awards Continued

Prof. Ossola was awarded an NSF Research Grant PHY-1417354 (2014-2017) with PIs: A.Ferrogli and G.Ossola. This project, entitled "Higher-Order Corrections to Massive Particle Production at the Large Hadron Collider," has been funded in the total amount \$225,000 (each year funded in the amount of \$75,000). And an NSF Research Grant PHY-1417499 (2014) with PIs: G.Ossola, A.Ferrogli, R.Kezerashvili. This project, entitled "Participation of Young Scientists to the Workshop LoopFest XIII, City Tech, New York, June 2014," has been funded in the amount of \$5,000. And a PSC-CUNY Research Grant (2014), "Next-to-Leading-Order Corrections to Higgs Boson Production at the Large Hadron Collider," funded in the amount of

vortex lattice in a film of type-II superconductor", J. Opt. Soc. Am. B 30, No 4, 909-913 (2013).

- O. L. Berman, R. Ya. Kezerashvili, and K. Ziegler, "Coupling of two Dirac particles", Phys. Rev. A 87, 042513 (2013).
- O. L. Berman, R. Ya. Kezerashvili, and K. G. Ziegler, "Collective properties of dipolar excitons in double-layer gapped graphene", AIP Conference Proceedings 1566, 496 (2013).
- O. L. Berman, R. Ya. Kezerashvili, and Yu. E. Lozovik, "Graphene nanoribbon based spaser", Physical Review B 88, 235424 (2013).
- O. L. Berman, I. Grigorenko and R. Ya. Kezerashvili, "The electron-hole superfluidity in two coaxial nanotubes", J. Phys.: Condens. Matter 26, 075301 (2014).
- O. Berman, R. Ya. Kezerashvili, and Sh. M. Tsiklauri, "Trions in coupled quantum wells and Wigner crystallization", Int. J. Mod. Phys. B 28, 1450064 (2014).

He presented at the following conferences:

- International conference, contributed: O. Berman, R. Kezerashvili, and Y. Lozovik, Graphene-based spaser, APS March Meeting 2013, Baltimore, Maryland, March 18-22, 2013.
- International conference, invited: O. L. Berman, R. Ya. Kezerashvili, and K. Ziegler, [Superfluidity of excitonic polaritons formed by excitons in graphene](#), Telluride Science Research Center International Workshop "Spontaneous and Collective Coherence", Telluride, Colorado, USA, 1-5 July, 2013.
- International conference, plenary: O. L. Berman, R. Ya. Kezerashvili, Yu. E. Lozovik, Graphene based photonics and nanophotonics "Nano and Giga Challenges in Electronics, Photonics and Renewable Energy," March 10-14, 2014, Phoenix, Arizona
- O. L. Berman, R. Ya. Kezerashvili, Yu. E. Lozovik, Graphene based photonics and plasmonics Physics Colloquium at Fordham University, April 16, 2014 Bronx, NY

He organized 8 Theoretical Physics seminars at Center for Theoretical Physics at City Tech CUNY.

He supervised 8 undergraduate students in the Honors Scholars and Emerging Scholars program. He was awarded a KITP scholar (Kavli Institute for Theoretical Physics). He served as a referee for Physical Review Letters, Physical Review B, Physical Review A, Solid State Communications, Optics Express, Journal of Physics: Condensed matter, Journal of Optical Society of America, Superlattices and Microstructures.

Prof. Blake published the following:

- "An Effective Model for Enhancing Underrepresented Minority Participation and Success in Geoscience Undergraduate Research." *Journal of Geoscience Education*, 61(4), 405-414 (2013) (with J. Liou-Mark & C. Chukuigwe).

- New York City Panel on Climate Change, Climate Risk Information 2013: Observations, Climate Change Projections, and Maps. C. Rosenzweig and W. Solecki (Editors), NPCC2. Prepared for use by the City of New York Special Initiative on Rebuilding and Resiliency, New York, New York (2013)
- "Assessment of MFRSR calibration techniques and applications", IEEE Transactions on Geoscience and Remote Sensing, TGRS-2013-00288 accepted in IEEE GRSS, 2013 (with Daniela Viviana Vladutescu, Bomidi Madhvan, Barry Gross, Antonio Aguirre, Fred Moshary, Samir Ahmed, and Mohammad Razani)
- "Learning Geosciences in Virtual Worlds: Engaging Students in Real-world Experiences." In M. Searson & M. Ochoa (Eds.), *Proceedings of the Society for Information Technology and Teacher Education International Conference 2014*, 658-664, Chesapeake, VA: AACE (2014) (with R.D. Lansiquot & J. Liou-Mark).

He made the following presentations:

- "4th Workshop on Education and Training", Matera, Italy, June 4, 2013 (with V. Vladutescu), [Contributed International]
- "Calibration Techniques and Applications of Sunphotometers to Remote Sensing of Atmospheric Aerosols", 33rd EARSeL Symposium, held in Matera, Italy, June 3-6, 2013 (with V. Vladutescu, S. E. Schwartz, B. L. Madhavan, B. Gross, Q. Zhang, and M. Razani), [Contributed International]
- "Exploring the Geosciences." Oral presentation at the Subway-Surface Air Flow Exchange Brookhaven National Laboratory Internship Program, New York City College of Technology, Brooklyn, NY, July 10, 2013. [Contributed, Local]
- "Remote Sensing and Climate Change", Oral presentation at the Subway-Surface Air Flow Exchange Brookhaven National Laboratory Internship Program, New York City College of Technology, Brooklyn, NY, July 15, 2013. [Contributed, Local]
- "Probing and Understanding the Environment: Climate Change, Remote Sensing and their 21ST Century Challenges", LaGuardia Community College, Queens, NY, November 5, 2013 [Contributed, Local]
- "Critical Components of a Successful Undergraduate Research Experience in the Geosciences for Minority Students" Invited speaker at the 47th Annual Meeting of the American Geophysical Union, San Francisco, CA, December 12, 2013. [Invited, National]
- "Promoting the Geosciences for Minority Students in the Urban Coastal Environment of New York City" Poster presented at the 47th Annual Meeting of the American Geophysical Union, San Francisco, CA, December 10, 2013. [Contributed, National]
- "Promoting the Geosciences among Middle and High School Students in the Urban Coastal Environment of New York City." Invited speaker at the 94rd Annual Meeting of the American Meteorological Society, Atlanta, Georgia, February 3, 2014. [Invited, National]

- "Safety Structures for Successful Undergraduate Research Apprenticeships: Supporting Underrepresented Minorities in STEM." Invited speaker at the 94th Annual Meeting of the American Meteorological Society, Atlanta, Georgia, February 4, 2014. [Invited, National]
- "Critical Elements in Advancing Authentic Research Experiences for Underrepresented Students." Poster presented at University Corporation for Atmospheric Research NSF REU PI meeting, Boulder, Colorado, March 19, 2014. [Contributed, National]
- "Models of Undergraduate Student Research in STEM Education-What Works?" Invited oral presentation and panelists at the STEM C² Research Summit, Bergen Community College, Paramus, New Jersey, April 11, 2014. [Invited, Regional]
- "CLIMATE CHANGE FUTURES 2030: The Road to Resilience." Consulate of Jamaica, June 16, 2014 [Invited, International]

He was the co-organizer of the following conference:

- The Subway-Surface Air Flow Exchange Brookhaven National Laboratory Internship Program held at New York City College of Technology (July 8-19, 2013)

He was a reviewer for the National Science Foundation and a referee for the Journal of Climate Policy

Prof. Boyko published the following:

- R.V. Gainutdinov, A.A. Shiryaev, V.S. Boyko, and Ya. Fedortchouk, "Extended defects in natural diamonds: an Atomic Force Microscopy investigation", *Diamond and Related Materials*, vol. 40, pp. 17-23 (2013)
- V.S. Boyko, R. Ya Kezerashvili, Twinning propensity in nanocrystalline face-centered cubic, body-centered cubic, and hexagonal closed packed metals, *J. Phys. Chem. Sol.*, vol. 75, p. 1119-1123 (2014).

He was a referee for Physical Review Letters and the Journal of Applied Physics

Prof. Ferrogli published the following:

- Broggio, A. Ferrogli, M. Neubert, L. Vernazza and L. L. Yang, NNLL Momentum-Space Resummation for Stop-Pair Production at the LHC, *JHEP* 1403, (2014) 066 [arXiv:1312.4540 [hep-ph]].
- A. Ferrogli, S. Marzani, B. D. Pecjak and L. L. Yang, Boosted top production: factorization and resummation for single particle inclusive distributions, *JHEP* 1401 (2014) 028 [arXiv:1310.3836 [hep-ph]].
- R. Bonciani, A. Ferrogli, T. Gehrmann, A. vonManteuffel and C. Studerus, Light-quark two-loop corrections to heavy-quark pair production in the gluon fusion channel, *JHEP* 1312, (2013) 038 [arXiv:1309.4450 [hep-ph]].

He presented the following:

- June 2-7, 2014 Large Hadron Collider Physics 2014, New York, USA; "Boosted Top Quark Pair Production in Soft Collinear Effective Theory." (International conference)

- "Top Quark Pair Production with Soft Collinear Effective Theory Methods" Invited Seminar at University of Padua and Istituto Nazionale di Fisica Nucleare (section of Padua), May 28, 2014 Padua, Italy

He organized the following international conference:

- June 18-20, 2014 LoopFest XIII, City Tech, Brooklyn, USA; Member of the international scientific organizing committee, member of the local organizing committee.

He was a referee for Physical Review D and the Journal of High Energy

- Invited Reviewer for American Association for the Advancement of Science (AAAS) research proposals, 2013
- Reviewer for Mathematical Reviews (MR), American Mathematical Society (AMS) (since 2011)
- Computing Reviewer for The Association for Computing Machinery (ACM) since 2013
- Panel Member for the research projects of the PSC CUNY Grants in Computer Science, Research Foundation of City University of New York (2011, 2012, 2013, 2014)
- Member of the Editorial Board of International Journal of Open Problems in Computer Science and Mathematics since 2008

Prof. Leng published the following:

- L.Leng, "Comparison of Amplification Schemes Using a Wide Range of Fiber Parameters and System Nonlinearity Tolerance," in Proceedings of the 2013 Asia Communications and Photonics Conference (ACP), Beijing, China, November 12-15, 2013, Paper 1750580

She presented the following invited international talk:

- "System Performance Comparison of Various Fibers for Uncompensated Links," The 23rd Wireless and Optical Communication Conference (WOCC 2014), NJIT, New Jersey, USA, May 9-10, 2014.

She was a referee for IEEE Journal of Lightwave Technology and the Proceedings of the 23rd Wireless and Optical Communication Conference (WOCC 2014), NJIT, New Jersey, USA, May 9-10, 2014

Prof. Matloff published the following:

- Matloff, G. L., "Les Shepherd: an Interstellar Visionary," JBISSpace Chronicles, Vol. 67, 2-6 (2014).
- Matloff, G. L., "The Speed Limit for Graphene Interstellar Solar Photon Sails," JBIS, Vol. 66, 377-380 (2013).

He presented the following at international conferences:

- Matloff, G. L., "Hesperides: Solar/Nuclear missions to the Sun's gravity focus," presented at 8th IAA Symposium on The Future of Space Exploration: Towards the Stars, Torino, Italy, July 2013. Published in Conference Proceedings (ed. Giancarlo Genta).

- Matloff, G. L, “Extrasolar solar sail trajectories and the search for dark matter,” presented at 8th IAA Symposium on The Future of Space Exploration: Towards the Stars, Torino, Italy, July 2013. Published in Conference Proceedings (ed. Giancarlo Genta).
- Matloff, G. L, “Solar Sails and the search for dark matter,” presented at 3rd International Symposium on Solar Sailing, Glasgow, Scotland, 6/13. in : Advances in Solar Sailing, pp 387-398, 2014. Ed.: M. Macdonald, Springer-Praxis, Berlin, 2014.

Prof. Ossola published the following:

- G. Cullen, H. van Deurzen, N. Greiner, G. Heinrich, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, et al. “GOSAM-2.0: a tool for automated one-loop calculations within the Standard Model and beyond”, Eur. Phys. J. C (2014) 74:3001
- H. van Deurzen, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro, “Multi-leg One-loop Massive Amplitudes from Integrand Reduction via Laurent Expansion”, JHEP 1403, 115 (2014)
- H. van Deurzen, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro, “NLO QCD corrections to Higgs boson production in association with a top quark pair and a jet”, Phys. Rev. Lett. 111, 171801 (2013)
- P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro, “Multiloop Integrand Reduction for Dimensionally Regulated Amplitudes”, Phys. Lett. B727, 532–535 (2013)
- H. van Deurzen, N. Greiner, J.W. Huston, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro, J.F. von Soden-Fraunhofen, F. Tramontano, J. Winter and V. Yundin, “Recent progress in higher order computations for the physics of the Higgs boson”, PoS(LL2014)038
- G. Cullen, H. van Deurzen, N. Greiner, G. Heinrich, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro et al., “GoSam @ LHC: algorithms and applications to Higgs production”, PoS(RADCOR2013)029 (2014)
- H. van Deurzen, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro, U. Schubert, “Multi-loop Integrand Reduction via Multivariate Polynomial Division”, PoS(RADCOR2013)012 (2014)
- Giovanni Ossola, “Automated computation of scattering amplitudes”, J.Phys.Conf.Ser. 523, 01204 (2014)
- G. Cullen, H. van Deurzen, N. Greiner, G. Heinrich, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola et al., “GoSam applications for automated NLO calculations”, J.Phys.Conf.Ser.523, 01205 (2014)
- H. van Deurzen, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro, U. Schubert, “Integrand reduction at NLO and beyond”, PoS(EPS-HEP2013)449 (2013)

- G. Cullen, H. van Deurzen, N. Greiner, G. Heinrich, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola et al., "NLO QCD Production of Higgs boson plus jets with GoSam", PoS(EPS-HEP2013)446 (2013)

He presented the following:

- Invited presentation "Scattering Amplitudes at the Large Hadron Collider" NYU Saturday Science, New York, March 8, 2014.
- Invited seminar "Integrand-Reduction Methods for Scattering Amplitudes", Johns Hopkins University, Baltimore, February 11, 2014.
- Conference presentation (parallel session), "NLO QCD Production of Higgs boson plus jets with GoSam". European Physical Society Conference on High Energy Physics, Stockholm, Sweden, 18-24 July, 2013.

He was a co-organizer of the following international conference:

- "LoopFest XIII, Radiative Corrections for the LHC and Future Colliders", City Tech, Brooklyn, US, June 18-20, 2014. He was Member of the international scientific organizing committee, as well as member of the local organizing committee.

He was a referee for Physical Review D.

Prof. [Vazquez-Poritz](#) published the following:

- E. O Colgain, M.M. Sheikh-Jabbari, J.F. Vazquez-Poritz, H. Yavartanoo and Z. Zhang, Warped Ricci-Flat Reductions, Phys. Rev. D90, 045013 (2014).

He made the following presentations:

- Justin F. Vazquez-Poritz and Zhibai Zhang, "Strings on AdS Wormholes," poster presented at Strings 2014, Princeton University, June 23-27, 2014.

He organized 8 seminars for the Center of Theoretical Physics. He supervised graduate student Zhibai Zhang on one paper and one poster contribution, and 3 undergrads on proceedings. He refereed several publications for Physical Review D and Physics Letters.

Social Sciences - The Social Sciences department is one of the largest departments at City Tech. Its goal is to provide students with insights into the various social sciences and to explain how social scientists examine problems that confront individuals, communities, nations and the world. With an insight into the social sciences, City Tech students can step with confidence into the responsibilities of citizenship and enhance their personal growth within their chosen careers.

Notable Achievements

Prof. Pourshariati was a Visiting Fellow at the Institute for Advanced Studies, Princeton in Summer 2013. Since 2012, she has been the President of the international Association for the Study of Persianate Societies (ASPS)

Prof. Bayaz-Ozturk made the following presentations:

- Bayaz-Ozturk, Gulgun and Gallo, William *Effect of Job Loss on Wealth Accumulation of Older Workers*, 40th Annual Meeting of Eastern Economic Association, Boston, MA (2014, March 6-9).
- Bayaz-Ozturk, Gulgun and Bessonov, Mariya. *Investigation of Causal Links into Intragenerational Mobility: An Application of Bayesian Networks*. 8th

Grant Awards

Prof. Mincyte received, together with Aiste Bartkiene (postdoctoral scholar), a grant from the Research Council of Lithuania - European Union Structural Funds Program, "The Politics of Care: Bridging Environmental Ethics and Bioethical Debates" (approx. \$50,000)

Prof. MacDougall received a grant from the Canadian Institutes of Health Research for Café Scientifique, "Withdrawing life-sustaining care: Making sense of disagreement among experts."

Prof. Kubeck is one of the senior PI's of the NIH Grant 2014-2019 "Bridge to the Baccalaureate at New York City College of Technology."

Prof. Bayaz-Ozturk received a Type A PSC-CUNY award

Annual City Tech Research Conference, New York City College of Technology, Brooklyn, NY (2014, May).

- Bayaz-Ozturk, Gulgun and Gallo, William, *Effect of Job Loss on Wealth Accumulation of Older Workers*, Social Science Faculty Lecture Series, New York City College of Technology, Brooklyn, NY (2014, April).
- Bayaz-Ozturk, Gulgun, Burkhauser, Richard. V., and Couch, A. Kenneth, *Consolidating the Evidence on Income Mobility in the Western States of Germany and the U.S. from 1984-2006*, Poster presented at the 11th Annual Poster Session of Faculty and Student Research and Faculty Publications Exhibit, New York City College of Technology, Brooklyn, NY (2013, November).

Prof. Almond published the following papers

- Almond, A., *Consequences of conceptualizing race as a risk: Science's naïve preoccupation with risk management under weak objectivist epistemologies*, *Annals of Next Generation Special Issue "Beyond 'At-Risk'"* (In press, 2014).
- Almond, A., *Ethnicity and clients (overview)*, In L. H. Cousins & J.G. Golson (Eds.), *Encyclopedia of Human Services and Diversity*. Thousand Oaks, CA: Sage (2014).

Prof. Alexander published the book

- Alexander B., *Coxey's Army: Popular Protest in the Gilded Age*, Johns Hopkins University Press (to appear March 2015).

Prof. Mincyte published the following

- Hébert, Karen and Diana Mincyte, "Self-Reliance Beyond Neoliberalism: Rethinking Autonomy at the Edges of Empire," *Environment and Planning D: Society and Space*. 32(2): 206-222 (2014).
- Mincyte, Diana. Book review of *The New Environmentalism?: Civil Society and Corruption in the Enlarged EU*, by Davide Torsello, Ashgate Press. *Contemporary Sociology*. 43(2): 275-276 (2014).
- Mincyte, Diana, Book review of *The Life of Cheese: Crafting Food and Value in America*, by Heather Paxson. Berkeley: University of California Press. *Food, Culture and Society*. 17(1): 164-167 (2014).

She made the following presentations

- Michaela DeSoucey and Diana Mincyte, "The European Horsemeat Scandal: Cosmopolitanism, Gastronationalism, and the Politics of Risk Society," *Eastern Sociological Society*, Baltimore, February 2014
- Diana Mincyte, Aiste Bartkiene and Leonardas Rinkevicius, "The Ethics of Care and Coalitions of Anxiety in Gas Fracking Debates in Lithuania," *Energy and Society: International Sociological Association Environment and Society Research Committee (RC24) meeting*, Krakow, Poland, June 2014
- Diana Mincyte, Aiste Bartkiene and Leonardas Rinkevicius, "Rethinking Community in the Age of Shale Gas Explorations: Sovereignty and

Environmentality in Anti-Fracking Movements in Eastern Europe”, *International Sociological Association*, bi-annual meeting, Yokohama, Japan, July 2014

- *From Flint Knives to Cloned Meat: Our Ambiguous Love, Hate, and Fear of Food Technologies*: The Roger Smith 2014 Food Conference. Diana Mincyte, “Vending Nature: Raw Milk ATMs and the Politics in Distance in Food Systems,” New York City, April 2014
- Harvard University, Radcliffe Institute for Advanced Study. Diana Mincyte, “Raw Milk Underground: Status, Self-Sufficiency, and Political Subjectivities in Alternative Agro-Food Economies in East Europe and the United States,” October 2013

Dr. Li contributed a reading list—“Production, Governance, and Lived Experience in Suburbia”—to the book “The People, Place, and Space Reader”, Edited by J. J. Giesecking and W. Mangold, with C. Katz, S. Low, and S. Saegart. New York: Routledge; led an interactive seminar at the Duke-UNC China Leadership Summit: The Chinese Dream, North Carolina (2014); and published the paper

- Li, P. *How do the largest American e-sites gain consumers’ trust?* Sino-Foreign Management, 261(10), 27. (2014, in Chinese)

Prof. S. MacDonald published the following:

- MacDonald, Sean and Doviak, Eric. “The Economic Dimensions of the Foreclosure Crisis.” *New York Economic Review*, vol. 45 (forthcoming) Oct. 2014
- Short book review (blurb): Boik, John. *Economic Direct Democracy: A Framework to End Poverty and Maximize Well-Being*. Site For Change, April 2014.

She gave the following presentations

- MacDonald, Sean. “An Evaluation of the Effectiveness of Mortgage Loan Modification Programs: A Comparative Analysis of Eight Metropolitan Areas and the U.S.: 2009 - 2012” *66th Annual Conference of the New York State Economics Association*, Farmingdale, NY, Oct 2013.
- Doviak, Eric and MacDonald, Sean. “Debian for Android. Debian for Metrics. Debian for the Classroom” *66th Annual Conference of the New York State Economics Association*, Farmingdale, NY, October 4-5, 2013.
- MacDonald, Sean. “*The Near Depression: The 2008 Financial Crisis and how it Happened.*” Guest Lecture topic in R. Lansiquot’s *Weird Science* class, March 2014.

Prof. Gerardi published the following paper

- S. Gerardi, “Some Origins of Singularity of Thought and Social Confority”, *Global Journal Of Human Social Science/Sociology & Culture*, Vol.14, Issue3, Version 1.0, September 2014.

Prof. Lim has published the following

- Lim, Y. "Korean Fan Dance for Fun: Performing Alterity in Contemporary Japan," *Ethnos: Journal of Anthropology* (published on-line November, 2013).
- Lim, Y. "Heito supīchi to mainoritī chinmoku kōka—Rekishiteki haikē kara mietekuru mono" [Hate Speech and Silencing Effects on Minority—What Historical Backgrounds Illuminate]. [In Japanese.] *Journalism* (Asahi Shinbunsha): November 2013: 37-47.
- Lim, Y. , Book review of "Nihongata Haigaishugi: Zaitokukai, gaikokujin sansēken, higashi ajia chisēgaku" [The Japanese-model xenophobic exclusionism: Zaitokukai, the enfranchisement of resident foreigners debate, and the East Asian geopolitics] (by Naoto Higuchi, University of Nagoya Press, 2014). *Social Science Japan Journal* (Japanese book reviewed in English).
- Lim, Y. , Book review of "Borderline Japan: Foreigners and Frontier Controls in the Postwar Ear" (by Tessa Morris-Suzuki, Cambridge University Press 2010). *Korean Studies* 36: 149-153.

Prof. Pourshariati published the following

- P. Pourshariati (Guest Editor with Mohamad Tavakoli), *Iran Nameh: Festschrift for Prof. Jaleh Amouzegar*, forthcoming, Summer 2014.
- P. Pourshariati (Guest Editor), Double Issue, *Journal of Persianate Studies: Recent Trends in Late Antique Iranian Studies*, (6:1-2), Fall 2013.
- P. Pourshariati, "New Vistas on the History of Iranian Jewry in Late Antiquity: Part I: Patterns of Jewish Settlement in Iran, in *THE JEWS OF IRAN: The History, Religion and Culture of a Community in the Islamic World*, Housman Sarshar ed., I. B. Tauris, 2014, pp. 1-32.
- P. Pourshariati, "Introduction: Further Engaging the Paradigm of Late Antiquity," in P. Pourshariati ed., *Journal of Persianate Studies: Recent Trends in Late Antique Iranian Studies*, (6:1-2), pp. 1-14, Fall 2013.
- P. Pourshariati, "Ethics and Praxis of Mehr and Mithras and the Social Institution of the `ayyārs in the Epic Romance of *Samak-e `ayyār*," in P. Pourshariati ed., *Journal of Persianate Studies: Recent Trends in Late Antique Iranian Studies*, (6:1-2), pp. 15-37, Fall 2013. Translated as
- P. Pourshariati, "Āyīn-e Mehr va me`yār-hā-ye akhlāqī o kerdārī `ayyārī dar romān-e hemāsī-ye *Samak-e `Ayyār*," in *Iran Nameh*, P. Pourshariati and M. Tavakoli edited, forthcoming, Summer, 2014.

She has given the following presentations

- P. Pourshariati, "Iranian National History: *Shahnameh Fact or Fiction*," in Teachers' College/Columbia University, April 19th, 2014.
- P. Pourshariati, "The Arab Conquest of the Near East Reconsidered: Implications for Early 'Islamic' History," in Pro-seminar on the Art of Iran, Kingship, Territory, Religion: The Visual Culture(s) of the Iranian World between the Sasanians and the Abbasids (400 CE - 1000 CE), March 2014, University of Pennsylvania.

- P. Pourshariati, "Can Popular Romances Speak to Architectural Relics? The Romance of *Samak-e Ayyar* and Roman Mithraic Temples," job-talk, Princeton University, October 14th, 2013.
- P. Pourshariati, "Can Popular Romances Speak to Architectural Relics? The Romance of *Samak-e Ayyar* and Roman Mithraic Temples," in the Center for Advanced Studies and Department of Near Eastern Languages and Civilizations, University of Chicago, October 21st, 2013.
- P. Pourshariati, Workshop on her book *Decline and Fall of the Sasanian Empire*, University of Chicago, October 21st 2013.
- P. Pourshariati, "The Perils of Paradigms: Notes from Late Antiquity", keynote address, in *Vandalia*: Symposium about Late Antiquity, UMich, Ann Arbor, Sep 20, 2013.
- P. Pourshariati, "History in Epic: the Shahnameh of Ferdowsi," Presidential Address, Sixth Biennial Conference of the *Association for the Study of Persianate Societies*, Sarajevo, Sep 2, 2013.
- P. Pourshariati, "The Sasanian Background of Baghdadian Urban Culture," in *Bagdad--Space of Knowledge*, Berlin, Aug 21, 2013.

Prof. MacDougall has published the following

- MacDougall, D. Robert. Whistleblowing and the bioethicist's public obligations. *Cambridge Quarterly of Healthcare Ethics* 23 (4): (2014) 431-442.
- MacDougall, D. Robert. Liberalism, authority, and bioethics commissions. *Theoretical Medicine and Bioethics* 34 (6): (2013) 461-477.
- MacDougall, D. Robert. "Physicians' strikes and the competing bases of physicians' moral obligations." *Kennedy Institute of Ethics Journal* 23 (3): (2013) 249-274.
- MacDougall, D. Robert. [National Obesity Rates: A Legitimate Health Policy Endpoint?](#) *The Hastings Center Report* 43(3): (2013) 7-8.

He made the following presentations

- MacDougall, D. Robert, "Industry and impartiality: The case against restricting sources of funding in academic ethics," Cape Breton University New Faculty Symposium (November 2013)
- MacDougall, D. Robert, "Why bioethics needs normative political philosophy," American Society of Bioethics and Humanities (October 2013)
- MacDougall, D. Robert, "Whistleblowing, moral courage, and bioethicists as public representatives," poster presentation, American Society of Bioethics and Humanities (October 2013)
- MacDougall, D. Robert, "Normative political philosophy and expanding our methodological toolbox," Canadian Bioethics Society (May 2013)
- MacDougall, D. Robert, "The profession of bioethics and consultation with private, for-profit corporations," Canadian Bioethics Society (May 2013)
- MacDougall, D. Robert, "Kantian political philosophy and legal standards of disclosure," Dalhousie Philosophy Department Colloquium (March 2013)

Prof. Kubeck gave the following presentations:

- Kubeck, J. E., Her, P., Strehl, E., Babmatee, P., Neroulias, K. & Abdulghani, H. (2013, May 23-26). The Effects of Positive Reframing on Emotional Stress and Well being. Poster presented at the 25th Annual Convention of the Association for Psychological Science (APS), Washington, DC.
- Kubeck, J. E., Her, P., Strehl, E., & Cote, E. (2014, May 23-26). Positive Reframing and Vagal Tone: A Variation on the Expressive Writing Paradigm. Poster presented at the 26th Annual Convention of the Association for Psychological Science (APS), San Francisco, CA.
- Lansiquot, R., Kubeck, J.E., & Her, P. (January 14th, 2013). Case Studies in Pedagogical Research Designs: Humanities. Presentation at the C3IRG Conference: A One-Day Workshop in Pedagogical Research Design, Manhattan, NY.