

INTRODUCTION

The past academic year has been a very productive time for faculty scholarship in the School of Arts and Sciences at City Tech. With an ever increasing scholarly output, research continues to become a more valued and integral part of our faculty's careers. The newsletter highlights publications, presentations, grants, and other scholarly activities of our faculty from September 2012 through August 2013.

Delaram Kahrobaei,
Chair Research and Grants Committee
School of Arts and Sciences
New York City College of Technology

BIOLOGICAL SCIENCES

Compiled by Davida S. Smyth

This past year Biological science welcomed one new faculty member to the department, Professor Nathan Astrof.

Individual Faculty Research Activity

Yehia Ghassan

Peer Reviewed Publication:

- Hoque M, Ji Z, Zheng D, Luo W, Li W, You B, Park JY, **Yehia G**, Tian B. Analysis of alternative cleavage and polyadenylation by 3' region extraction and deep sequencing. *Nat Methods*. 2013 Feb;10(2):133-9.

Laina Karthikeyan:

Peer-reviewed publications:

- Lipson, S.M., R. S. Gordon, **L. Karthikeyan**, F. S. Ozen. Effect of pH on the antiviral activity of comestible juices and proanthocyanidins utilizing a cell-free assay system. **2012**. *Food and Environ Virol* 4: 168-78.
- **Lipson, S.M.**, R.E. Gordon, F. S. Ozen, **L. Karthikeyan**, G. Stotzky. **2012**. Effect of Cranberry and grape juices on tight junction function and structural integrity among rotavirus-infected monkey kidney epithelial cell culture monolayers. *Food and Environ Virol*. 3: 46-54

Book chapters:

- Brown, G.C., and **L. Karthikeyan**. **2012**. Integration of Civic Engagement Pedagogies in the STEM Disciplines in the book, titled “Cases on Interdisciplinary Research Trends in Science, Technology, Engineering, and Mathematics: Studies on Urban Classrooms”, published in 2012 by IGI Global.
- Shashidharan, P. and **L. Karthikeyan** **2012**. Causes of Dystonia: Implications of Genetic and Environmental Factors in the Manifestation of Dystonia in G.Rajarami Reddy, Dr. Flora and Dr. Riyaz (ed), *Environmental pollution, Ecology and Human Health*. NAROSA Publishing Co, New Delhi, India.

Other scholarly activities:

- Served as a representative of New York City College of Technology on the subcommittee for Scientific World on Chancellor Matthew Goldstein's CUNY Pathways Committee (Common Core Course Review Committee).
- Participated in the Learning Communities between Biology and English departments during spring 2012.
- As a First -Year Title V GenEd Fellow, helped organize the workshop presentation by a SENCER veteran, Monica Devanas on February 24, 2012 titled "High Impact Strategies to Engage Students in Effective Learning".

Student supervision:

- Mentored 3 students in the Emerging and Honors Scholars programs during spring and 4 students during fall 2012.

External and Internal Research Grants:

- NEH Grant: awarded 2012 (\$74,986)
Humanities Initiatives at Hispanic Serving Institutions
Comparative Perspectives on Health, Illness, and Healing
- Spring 2013 Biological Sciences Department Research Grant. Amount awarded: \$7891. PI: Laina Karthikeyan
Effect of cranberry juice consumption on the incidence of respiratory syncytial virus disease among pediatric patients during the winter respiratory virus season.

Seminars and Conferences:

- Bosse, R., G. Sullivan, X. Hyka, F.S. Ozen, R. S. Gordon, **L. Karthikeyan**, and S. M. Lipson. 2012. Oral Presentation. Effect of Flavonoids on the Loss of Rotavirus Infectivity Using a Quantitative Cell-Free Assay System. New England Science Symposium. Oral Presentation. April 1st, 2012. Sponsored by Harvard Medical School, Boston, Massachusetts.
- Poster presentation at Citytech's 10th Annual Poster presentation during fall 2012.
- Panelist at Citytech's panel presentation "Publishing Educational Research" organized by Associate Provost Pamela Brown on October 3, 2012.

Vasiliy Kolchenko

Peer-Reviewed Publications:

- Dantham V.R., Holler S., Barbre C., Keng D., Kolchenko V., Arnold S. Label-Free Detection of Single Protein Using a Nanoplasmonic-Photonic Hybrid Microcavity Taking whispering gallery-mode single virus detection and sizing to the limit. 2013. Nano Letters, 13, 3347-335.

Conference Proceedings:

- Holler S., Dantham V.R., Kolchenko V., Wan Z., Arnold S. A Hybrid Plasmonic Whispering Gallery Mode Sensor for Single Bionanoparticle Detection. Proc. of SPIE, Vol. 8722, 87220T-1.
- Dantham V.R., Holler S., Kolchenko V., Wan Z., Arnold S. Microcavity Single Virus Detection and Sizing with Molecular Sensitivity. Proc. of SPIE, Vol. 8600, 86001P-1.

Selwyn Williams

Edited Book Chapter:

- Gotesman, M., **Williams, S.A.**, Garcés, J.A., and Gavin, R.H. 2013. Chromosome Walking by Inverse PCR. In: Nolan, T. (ed.), *PCR Technology: Current Innovations*, 3rd Edition. CRC Press, Florida.

David S. Smyth

Peer-reviewed publications:

- Mendes RE, Deshpande LM, **Smyth DS**, Shopsin B, Farrell DJ, Jones RN. Characterization of methicillin-resistant *Staphylococcus aureus* strains recovered from a Phase IV clinical trial for linezolid versus vancomycin for treatment of nosocomial pneumonia. 2012. J Clin Microbiol. 50(11): 3694-702.
- **Smyth DS**, Kafer JM, Wasserman GA, Velickovic L, Mathema B, Holzman RS, Knipe TA, Becker K, von Eiff C, Peters G, Chen L, Kreiswirth BN, Novick RP, Shopsin B. Nasal carriage as a source of *agr*-defective *Staphylococcus aureus* bacteremia. 2012. J Infect Dis. 206(8): 1168-77.

International Conferences:

- **Smyth DS**, Wible M, Mendes RE, Labella A, Kafer JM, Torres VJ, Novick RP, and Shopsin B. *Agr* function and mortality in nosocomial pneumonia due to methicillin-resistant *Staphylococcus aureus*. In Proceedings of the 52nd ICAAC in San Francisco, Sept 9-12, 2012. Contributed abstract accepted for oral presentation.

Local Seminars and Conferences:

- **Smyth DS** (2013, Aug). READ – Focus on Biology. Oral presentation during the Summer 2013 workshop of the READ Initiative, City Tech, Brooklyn
- **Smyth DS** (2012, Nov). The role of mobile DNA in *Staphylococcus aureus* adaptation. Poster presented at the 10th Annual Faculty and Student Research Poster Session, City Tech, Brooklyn.
- **Smyth DS** (2012, Dec). Using *Staphylococcus aureus* as a model for studying bacterial adaptation. Biological Science Departmental Seminar.

External and Internal Research Grants:

- PSC-CUNY Research Award (Type B). Amount Awarded: \$6000 PI: Davida Smyth
Modifying prototypical mobile genetic elements to study their mobilization and horizontal transfer in *Staphylococcus aureus*.
- Graduate Research Technology Initiative Grant (GRTI), Round 16. Amount awarded: \$30826 PI: Davida Smyth
- Perkins VTEA Major Effort Component, 2013-2014, Department: Biological Sciences, Profs. D. Smyth, L. Tsenova, M. Montes-Matías and R. Alcendor. Amount awarded: \$16254.88
- Spring 2013 Biological Sciences Department Research Grant. Amount awarded: \$9500. PI: Davida Smyth - Modifying prototypical mobile genetic elements to study their mobilization and horizontal transfer in *Staphylococcus aureus*.
- Spring 2013 Biological Sciences Department Research Grant. Amount awarded: \$9500. Co-PI: Davida Smyth - Using next generation sequencing technology to elucidate the microorganism diversity in two different water sites in Brooklyn.

Student supervision:

- Prof Smyth mentored three emerging scholars in the Spring 2013 semester.

Journal Refereeing:

- Prof Smyth acted as a reviewer for two submissions to PLoS One and BMC Infectious Diseases.

Olufemi Sodeinde

Student Supervision:

- Mentored students in the Emerging and Honors Scholars programs during fall 2012

Internal and External Grants:

- GRTI Grant Round 16, January 2013. Amount awarded: \$90, 827 PI: Olufemi Sodeinde

Jeremy Seto

Local seminars and conferences:

- Presentation at 10th Anniversary Poster Session: Reflections on a Silent Spring in an Urban Environment.
- Presentation at 7th Annual City Tech Research Conference: Reflections on a Silent Spring in an Urban Environment.

External and Internal Research Grants:

- Spring 2013 Biological Sciences Department Research Grant. Amount awarded: \$9500. PI: Jeremy Seto - Effects of cytokine exposure from infection and stress on neurodevelopment and epigenetics resulting in neuropsychiatric disease.
- Spring 2013 Biological Sciences Department Research Grant. Amount awarded: \$9500. Co-PI: Jeremy Seto - Using next generation sequencing technology to elucidate the microorganism diversity in two different water sites in Brooklyn.
- Perkins VTEA Major Effort Component August 2013 Amount: \$16,096 PI: Jeremy Seto and Andleeb Zameer

Reviewer of Research Proposals:

- Biology panel member to the PSC-CUNY, Cycle 44

Armando Solis

Reviewer of Research Proposals:

- Dr Solis was invited as a grant review panelist for NSF's Math and Science Partnership (2012).

Journal refereeing:

- Dr. Solis has reviewed manuscripts for the following peer-reviewed journals: Artificial Intelligence in Medicine, Bioinformatics, BMC Bioinformatics, and Proteins: Structure, Function, and Bioinformatics.

External and Internal Grants:

- Diversity Project Development Fund, CUNY (2011). “Increasing Student Success in Bioinformatics through Inquiry-Based Modules.”

International Conference:

- **Solis, Armando D.** (2013). “Deriving High Resolution Local Sequence Dependent Ramachandran Maps.” 21st Annual International Conference on Intelligent Systems for Molecular Biology, ISMB 2013, (Berlin, Germany).

Liana Tsenova

Peer Reviewed Publications:

- Subbian S., N. Bandyopadhyay, **L. Tsenova**, P. O’Brien, V. Khetani, et al. Early innate immunity determines outcome of *Mycobacterium tuberculosis* pulmonary infection in rabbits. *Cell Commun Signal*. 2013 Aug 19;11(1):60.
<http://www.ncbi.nlm.nih.gov/pubmed/23958185>
- Subbian S., O’Brien P., Kushner NL, Yang G., **Tsenova L.**, Peixoto B., Fallows D. and Kaplan G. Molecular Immunologic Correlates of Spontaneous Latency in a Rabbit Model of Pulmonary Tuberculosis. *Cell Commun Signal*. 2013 Feb 28;11(1):16. <http://www.ncbi.nlm.nih.gov/pubmed/22960076>
- Subbian S., **L. Tsenova**, P. O’Brien, G. Yang, N. Lynn Hart, S. Parsons, B. Peixoto, D. Fallows and G. Kaplan. Spontaneous Latency in a Rabbit Model of Pulmonary Tuberculosis. *Am J Pathol*. 2012 Nov;181(5):1711-24.
<http://www.ncbi.nlm.nih.gov/pubmed/22960076>

Conference presentation:

- “The Hudson River Biodiversity”, SENCER Summer Institute (SSI) 2013, August, Santa Clara, CA, a team project from City Tech.
- A Computer Simulation Model for the Spread of Swine Flu Pandemic. 2013 City Tech Faculty Research Conference, April 5th, 2013.
<https://sites.google.com/site/researchandgrants/faculty-research-conference>
- Differential Activation of Early Innate Immunity to *Mycobacterium tuberculosis* Infection in Rabbit Lungs. Symposium on "Innate Immune Mechanisms Controlling Inflammation and Infection", New Jersey Medical School, UMDNJ, 18-19 March 2013, Newark, NJ.

- A Study on Multi-Drug Resistance and Healthcare-associated Infections, An Integrative Approach. SENCER Washington Symposium and Capitol Hill Poster Session, March-10-12, 2013, Washington DC.
- West Nile Virus: Is it a Threat? Alma Plaku, Pablo Mota, Yi Ming Yu, Liana Tsenova, Jonathan Natov. 17th Semi-annual Honors and Emerging Scholars Poster Presentation, December 5-6th 2012, NYC College of Technology.
- A Simulation Model for the Spread of Swine Flu Pandemic. 10th Annual Poster Session of Faculty and Student Research, November 15, 2012, NYCCT, CUNY.
- A Simulation Model for the Spread of Swine Flu Pandemic. Annual Biomedical Research Conference for Minority Students (ABRCMS), San Juan, CA, 11/9/12.

External and Internal Research Grants:

At CityTech:

- Perkins VTEA Major Effort Component, 2013-2014, Department: Biological Sciences, Profs. D. Smyth, L. Tsenova, M. Montes-Matías and R. Alcendor.
- Bridges to the Baccalaureate Program” (R25) – Institutional Grant proposal, Funding source NIH
Title: Bridge to the Baccalaureate at NYC College of Technology.

At PHRI, Rutgers State University of NJ:

- Collaborative project with Eli Lilly and Co. Role on Project: Investigator Title: Effect of TNF-alpha Inhibition on the Tuberculosis Infection in Rabbits Funded December 2012 – \$ 64,900
- R21/R33 Title of Project: Adjunct Therapy to Cure Latent TB Sponsor: NIH/NIAID Years requested: 5 Role on Project: Investigator
- RO1 Title of Project: Distribution and Activity of anti-TB agents in Rabbit Granulomas Sponsor: NIH/NIAID Years requested: 5 Role on Project: Investigator
- Grant Type: Drug Accelerator Title: Integrated Pharmacokinetics to Rationally Design New Drug Combination for TB Sponsor: Bill and Melinda Gates Foundation Years requested: 2 Role on Project: Investigator

Prize or awards:

- Promoted to SENCER Leadership Fellow, summer 2013

Andleeb Zameer

Student supervision:

- Mentored two undergraduate students for Emerging Scholars Program in Fall 2012
- Mentored two undergraduate students for Emerging Scholars Program in Spring 2013

Other scholarly activities:

- Formed a First Year Learning Community in Fall 2012 and Spring 2013 with English Department faculties, Professors Barbara Guinan and Suzanne Miller.
- Participated in seminars and workshops as a Living Lab Third Year Fellow in Spring 2013; Title V Grant Project. Developed a Service Learning Project for Human Biology, BIO 1100, as a high impact learning practice to be included in the curriculum in Fall 2013.

Publications:

- Theories in practice: A focus on STEM at City Tech. In R. D. Lansiquot (Ed.) Cases on interdisciplinary research trends in science, technology, engineering, and mathematics: Studies on urban classrooms. MacDonald, S., Sodeinde, O., & Zameer, A. New York: IGI Global. October 2012
- Biology Laboratory Manual for General Biology 1, Edited by Backewicz, Seto, Zameer, McGraw-Hill 2013 ISBN-13:978-1-121-81854-5
- Laboratory Manual for Human Biology, Edited by Andleeb Zameer and Jeremy Seto McGraw-Hill 2013 ISBN-13:978-1-259-21552-0

External and Internal Research Grants:

- Perkins VTEA Major Effort Component August 2013 Amount: \$16,096 PI: Andleeb Zameer and Jeremy Seto

Local Seminars and Conferences:

- Presented a poster at the 10th Annual Poster Presentation in Nov. 2012 held at NYCCT. Title: Protection of Oligodendrocytes and Remyelination in Multiple Sclerosis A. Zameer, D. Dutta, Y. Zhang, A.T. Argaw, S. Mahase, and G.R. John

HUMANITIES

Compiled by Christopher Swift

Faculty members from each discipline of our multidisciplinary department (Music, Art, Theatre, Foreign Language, and Communication) were active this past year in research, pedagogy development, and grant work. With help from the Foreign Language faculty, Ann Delilkan organized the **Bilingual Literacy for the Professions** panel series (January-May 2013), bringing our own FL faculty and over 15 faculty members from the School of Professional Studies into contact with external labor market and demographic experts who addressed the value of bilingual literacy in the workforce. The collaboration provided a venue for students to hear the testimony of researchers and professionals from industries relevant to their areas of study. On the strength of campus-wide support for FL in the professions, our department subsequently applied for a **Workforce Initiative Development** grant in June. Our FL program is now poised to begin to add courses that will serve our students' professional needs, relying on the links forged through the series with SoPS to help promote such courses as they get offered.

Sandra Cheng, Roxana Delbene, and Shauna Vey joined colleagues from the School of Professional Studies in the yearlong, NEH funded seminar **Comparative Perspectives on Health, Illness and Healing**. The group explored the practice of medicine as an expression of cultural beliefs and value systems that differ widely across cultures and history. Using the tools of the humanities, they examined cross-cultural medical encounters and portrayals of illness and healing in world art. The project focused on enabling faculty from the departments of allied health, and consequently their students, to become more thoughtful, culturally competent, and ethically aware practitioners by better understanding variables of philosophy, values, and culture that underlie medical practice in different societies.

Distinct from this project, Prof. Cheng participated in CUNY's **Faculty Fellowship Publication Program**. Shauna Vey was re-appointed to the **University Committee on Research Awards** as Chair of the Performing Arts Review Panel, which reviews proposals and makes funding decisions for PSC-CUNY grants to faculty across the University in theatre, music, dance, film and multi-media performance and scholarship. Christopher Swift mentored an **Emerging Scholars** project in the spring of 2013 entitled "An Eidophusikon for Richard III." The success of the multidisciplinary project to develop a new theatre technology has led to a follow-up Emerging Scholars project in the fall of 2013 in collaboration with David Smith and students from the Department of Entertainment Technology. The department's collaboration with the **Theatre Development Fund's Bridging Education and Theatre** initiative provided students

with inexpensive tickets to Broadway shows, including “Cat on a Hot Tin Roof,” “Matilda,” “War Horse,” and “Once.”

Our faculty was active in performance projects, too. John Sannuto directed and choreographed *Waiting for Pessoa* at the New York City Fringe Festival in August 2013. Prof. Sannuto portrayed a character in the play as well. Sarah Standing directed *The Passion of Saint John* and *The Passion of Saint Luke* at the Church of the Ascension in March 2013, providing each play with environmental stagings. In collaboration with Jackie Berger, Frank DeZego, Victoria Lichterman, Stephanie Smolinsky, and Jane Mushabac (English), Prof. Standing created and directed campus productions of the fourth and fifth installments of *Telling Our Stories*.

Faculty research was represented in a number of published journal and book collections. Professor Emerita Carmen Valle added yet another monograph to her professional bibliography. Humanities faculty presented papers at conferences from Honolulu to Puerto Rico, the United Kingdom to San Francisco. Our own **Works in the Works** series showcased the department’s rich diversity of research interests. Presentations included:

- Roxana Delbene, *Institutional Ways of Speaking in Caring for Patients: A Socio-pragmatic Study of the Screenplay “Wit”*
- Stephanie Smolinsky. *The Biggest **** In The World: A Tribute To Mother-Power*
- Virginia Knight. *Sound Design: The Art of Foley*
- Ann Delilkan. *Hunting Down that Snark (A Struggle in 8 Bits)*
- Justin Davis. *Blaming Victims and Survivors: An Analysis of Post-Katrina News Coverage*
- Pamela Sneed. *Imagine Being More Afraid of Freedom than Slavery*
- Jackie Berger. *Melodic Intonation Therapy: A Possible Collaboration between left and right Hemispheres to Promote Speech Production in Stroke Victims*
- Michael Smith. *European Guitar Music from the Early 1800s*

Individual Faculty Research Activity

Sandra Cheng published the paper

- “La Touche satirique du Bernin: dessin et caricature comme acte performatif au début de l’époque modern.” *Roven*, vol. 8 (Automne-Hiver 2012-2013): 50-53.

Prof. Cheng gave the following presentation:

- “Visualizing Monstrous Children: From Prodigy to Nature’s Artifice.” *Annual Conference of the Sixteenth Century Society*. San Juan, Puerto Rico. October 24-27, 2013.

Roxana Delbene published the paper

- “Patients’ ways of speaking about antiretroviral medications and possible implications for adherence.” *Critical Inquiry in Language Studies*, vol. 9 no. 4 (November 2012): 281-311.

Ann Delilkan gave the following presentation:

- “A Privileged Group: Malay Affricates, Sonorants and Voiced Obstruents in Head Feet.” *4th Annual Tampa Workshop in Linguistics*. Tampa, FL. March 21, 2013.

Victoria Lichterman conducted the following workshop:

- “‘Ya talkin’ to me?’ A Presentation Skills Workshop to Increase Productive Listening.” *SoTL Commons: A Conference for the Scholarship of Teaching and Learning*. Savannah, GA. March 27-29, 2013.

Denise Scannell published the following papers:

- “Amanda Knox and the Bella Figura.” *Italian Americana*, vol. 30 no. 2 (Summer 2013): 148-167.
- “Environmental Protection Agency Consultations with Indian Tribes: An Intercultural Struggle over the Process of Consent.” In C. D. McIlwain (ed.), *Philosophy, Method and Cultural Criticism*, pp. 199-224. New Jersey: Hampton Press, 2013.

Prof. Scannell presented the following:

- “Italian Americans Meet Gebser and Gadamer: A Phenomenological Perspective.” *Italian American Studies Association 45th Annual Conference*. Hempstead, NY. November 29-December 1, 2012.

Sarah Standing presented the following:

- “R. Murray Schafer’s Eco-temporality.” 19th Annual Performance Studies International Conference. Palo Alto, CA. June 27, 2013.
- “Copy and Original: Greenpeace, Nature, and Technology.” *The Annual Meeting of the American Society for Theatre Research*. Nashville, TN. November 2, 2012.
- “R. Murray Schafer and the Re-Enchantment of Theatre.” 11th Annual Hawaii International Conference of Arts and Humanities, University of Louisville Center for Sustainable Urban Neighborhoods, Honolulu, HI. January 12, 2013.

Prof. Standing gave the following invited lecture:

- “What is Eco-Theatre?” *The Heritage*. San Francisco, CA. December 27, 2012.

Christopher Swift presented the following:

- “The Miraculous Unveiled: Technology and Wonder in Thirteenth Century Iberia.” *The Annual Meeting of the American Society for Theatre Research*. Nashville, TN. November 1-4, 2012.
- “The Admiral of Sackcloth and Cord: Christopher Columbus Performs the End of Times.” *The International Congress on Medieval Studies*. Kalamazoo, MI. May 9-12 2013.
- “Amerindians on Display: Spain, 1528.” *The Annual Meeting of the Association for Theatre in Higher Education*. Orlando, FL. August 1-4, 2013.

Carmen Valle published the book

- *Esta página. Traducción de Christopher Hirschmann Brandt*. San Juan, Puerto Rico: Los Libro de la Iguana, 2013.

Shauna Vey presented the following:

- (with Hollis Glaser and Suzanne Epstein) “The Basic Communication Course at a Multi-Campus University.” *Eastern Communication Association*. Pittsburgh, PA. April 23, 2013.
- “Obeying My Father: Child Actors Prioritizing Danger and Obligation on Stage and Silent Screen Sets.” *Society for the History of Childhood and Youth*. Nottingham, UK. June 26, 2013.

MATHEMATICS

Compiled by Samar ElHitti

Activities on research and development have continued to increase this year in our department. Sixteen faculty members contributed a poster at the **Tenth Annual Poster Session** for Faculty and Students: Professors Kahrobaei, Schoutens, Zhou, Miller, Douglas, Ghezzi, Masuda, Carley, Smith, Calinescu, Parker, Johnstone, Gitman, ElHitti, Ghosh-Dastidar, Bonanome.

Professor Hans Schoutens chaired the organizing committee of the **Seventh Annual City Tech Research Conference**. Professors Kostadinov, Singh, Johnstone, Parker, Masuda, and Ghosh-Dastidar presented at the conference and many faculty members participated and helped in the organization.

In the joint **Math/Physics Colloquium**, we had an excellent outside speaker, Dr. Nargess Memarsadeghi (NASA), and in the **Mathematics Seminar Series**, we had one outside speaker, Prof. John Velling from Brooklyn College, as well as a talk by Professor Andrew Parker.

Professors Douglas, Gitman and Kahrobaei continued the **C-LAC (Center for Logic, Algebra, and Computation) Seminar Series**, with two outside speakers (Prof. Vladimir Shpilrain), and three of our own faculty, Corina Calinescu

Mathematics faculty have also been very active in (co)-organizing **seminars at the CUNY Graduate Center**: Applied Mathematics (Prof. Yuce), Commutative Algebra and Algebraic Geometry (Profs. ElHitti, Ghezzi, Schoutens), CUNY Logic Workshop (Prof. Schoutens), CUNY Representation Theory Seminar (Prof. Douglas), Mathematical Aspects of Cryptography Student Seminar (Prof. Kahrobaei), Model Theory (Prof. Schoutens), New York Algebra Colloquium (Profs. Douglas and Kahrobaei), NY Combinatorics Seminar (Prof. Halleck). Algebra-Cryptography Seminar (Prof. Kahrobaei) Several other faculty members gave talks and participated in the seminars.

Once more, many math department members supervised student research, supported by programs including the National Science Foundation, the Emerging Scholars and the Honors Scholars.

Individual Faculty Research Activity

Mariana Bonanome published the following book:

- “Lectures on Finitely Generated Solvable Groups”, SpringerBriefs (Birkhäuser), (with Dean, Zyman, Bencsath).

Mariana Bonanome also published the following:

- “IA-Automorphisms of Groups with Almost Constant Upper Central Series”, Conference Proceedings to the AMS Contemporary Mathematics in January 2013, (with Dean and Zyman).

Professor Bonanome presented the posters “Function Property Testing of Finite Groups”, New York Women in Mathematics and Computing Conference at the CUNY Graduate Center, May 10, 2013, and the poster “Quantum Algorithms for Function Property Testing of Finite Groups”, City Tech Tenth Annual Poster Session, November 15, 2012.

Corina Calinescu was awarded a PSC CUNY grant 2013-2014.

Professor Calinescu published the paper:

- "Graded dimensions of principal subspaces and modular Andrews-Gordon-type series" in Communications of Contemporary Mathematics (with Bringmann (Cologne University), Folsom (Yale University) and Kimport (Yale University)).

Professor Calinescu presented the following:

- "Vertex-algebraic structure of principal subspaces of standard A_2 -modules" "Representation Theory XIII" in Dubrovnik, Croatia, June 2013. [Invited/International]
- "Vertex operator algebras and related topics", a series of lecture to the Institute of Mathematics of the Romanian Academy, July 2013. [Invited/International]
- "Principal subspaces of standard modules for A_2 ", CUNY Representation Theory Seminar, February 2013. [Invited/local]

Professor Calinescu presented the poster "On Applications of Vertex Operator Algebras in Lie Theory and Partition Theory", City Tech Tenth Annual Poster Session, November 2012. [Local]

Professor Calinescu served as referee for the Journal of Algebra, Journal of Pure and Applied Algebra and Transactions of the AMS.

Andrew Douglas was awarded an NSF Educational Grant, Co-PI, “Noyce Explorers, Scholars, Teachers (NEST): Fostering the Creation of Exceptional Mathematics and Technology Teachers in New York City” (\$1,418,976.000), and a Traditional A PSC-CUNY Grant, CUNY Research Foundation Grant, 2013-2014 (\$3,500).

Professor Douglas published the following papers

- “Classification of embeddings of abelian extensions of D_n into E_{n+1} .” Journal of Pure and Applied Algebra 217, 1942-1954 (2013) (with Kahrobaei, Repka).
- “The Poincare algebra in rank 3 simple Lie algebras.” Journal of Mathematical Physics, 54, 023508 (2013) (with de Guise, Repka).
- “The simple non-Lie Malcev algebra as a Lie-Yamaguti algebra,” Journal of Algebra, 328, pp. 269-291 (2012) (with Bremner).

Professor Douglas presented the following:

- “Classifying embeddings of abelian extensions of D_n into E_{n+1} ”, Groups St. Andrews 2013, University of St. Andrews, St. Andrews, Scotland, August 3-11, 2013.
- “Classifying embeddings of abelian extensions of D_n into E_{n+1} ”, University of Zaragoza Mathematics Colloquium, University of Zaragoza, Zaragoza, Spain, June 28, 2013.
- “Classifying embeddings of abelian extensions of D_n into E_{n+1} ”, Sectional Meeting of the American Mathematical Society, Boston College, Chestnut Hill, MA. April 6-7, 2013.

Professor Douglas co-organized the following:

- “Representation theory, combinatorics and categorification”, a Special Session for a Regional Meeting of the American Mathematical Society, Temple University, Philadelphia, PA, October 12-13, 2013.
- “Representation Theory, Lie algebras and Transformation Groups. “, a Special Session for a National Meeting of the American Mathematical Society, ; San Diego, CA, January 2013.
- The CUNY Representation Theory Seminar. A weekly seminar at the CUNY Graduate Center. Since spring 2010.
- The New York Applied Algebra Colloquium, CUNY Graduate Center. A weekly seminar at the CUNY Graduate Center. Since fall 2008.

Samar ElHitti published the following paper:

- “Perron Transforms”, to appear in Communications in Algebra.

Professor ElHitti continued to co-organize of the Commutative Algebra and Algebraic Geometry Seminar at the CUNY Graduate Center.

Ezra Halleck presented the following:

- "Introductory Statistics and Technology" at the NYSMATYC annual conference, April 13, 2013.
- "Bijection of two coin flipping events using lattice paths" at the NY Combinatorics Seminar, November 9, 2012.

Professor Halleck organized the NY Combinatorics Seminar at the CUNY Graduate Center (Fridays).

Laura Ghezzi was awarded a Traditional A PSC-CUNY 2013-2014 (\$2964.70).

Professor Ghezzi published the following paper:

- "Variation of Hilbert Coefficients in Proceedings of the American Mathematical Society 141 (2013), 3037-3048 (with Goto, Hong and Vasconcelos).

Professor Ghezzi presented the following:

- "Variation of the first Hilbert coefficient", Workshop on Representation Theory, Homological Algebra, and Free Resolutions, Mathematical Sciences Research Institute, Berkeley, February 11-17, 2013. [Invited /International]
- "Hilbert coefficients of parameter ideals relative to a module", American Mathematical Society Meeting, Tulane University, New Orleans, LA, October 13-14, 2012. [Invited /National].

Professor Ghezzi continued to co-organize of the Commutative Algebra and Algebraic Geometry Seminar at the CUNY Graduate Center.

Professor Ghezzi refereed a paper for the Journal of Pure and Applied Algebra (invited by editor Geramita), a paper for the Proceedings of the Second International Conference and Workshop on Valuation Theory (invited by editor Kuhlmann), and a paper for the American Mathematical Monthly (invited by editor Chapman).

Thomas Johnstone published the paper "Resurrection axioms and uplifting cardinals" to appear in the Archive for Mathematical Logic (with Hamkins).

Professor Johnstone presented the following:

- “Indestructibility for Ramsey cardinals”, KGRC Research seminar, Kurt Gödel Research Center for Mathematical Logic, University of Vienna, Vienna, Austria, June 2013. [Invited/International]
- “On ground model definability”, Barcelona Set Theory Seminar, University of Barcelona, Barcelona, Spain, June 2013. [International/Invited]
- “On ground model definability”, Turin Logic Seminar, University of Turin, Turin, Italy, June 2013. [Invited/International]
- “On ground model definability”, Bristol Logic and Set Theory Seminar, Bristol University, Bristol, United Kingdom, June 2013. [Invited/International]
- “What is the theory ZFC without power set?”, CUNY Logic Workshop, CUNY Graduate Center, New York, May 2013. [Local]
- “Set theory without power set*should we add the collection axiom?”, 7thCity Tech Research Conference, New York City College of Technology, New York, April 2013. [Local]
- “Cardinals that may be viewed as miniature superstrong cardinals consistent with $V=L$ ”, CUNY Set Theory Seminar, CUNY Graduate Center, New York, February 2013. [Local]
- “Preservation of DC_{δ} by forcing with a closure point at δ ”, CUNY Set Theory Seminar, CUNY Graduate Center, New York, October 2012. [Local]
- “Definability of the ground model in forcing extensions of ZF models”, CUNY Set Theory Seminar, CUNY Graduate Center, New York, October 2012. [Local]
- “Predictable and Systematic Mathematical Misconceptions”, CUNY 2012 Mathematics Conference: Effective Instructional Strategies, John Jay College, New York, May 2012. [Local]
- “The Definability of the Ground Model in Forcing Extensions”, CUNY Set Theory Seminar, CUNY Graduate Center, New York, April 2012. [Local]

Professor Johnstone was awarded, with Gitman and Hamkins, a CUNY Collaborative Incentive Research Grant, Round 20, for the academic year 2013-14 on the project "Weak embedding phenomena in ω_1 like models of set theory."

Delaram Kahrobaei was awarded an ONR Research Grant, Office of Naval Research, PI, New Approaches to Information Security Based on Group Theory (\$448,962) with Shpilrain, 2012-2015, an American Association for the Advancement of Science (AAAS) Women's International Research Collaborations (WIRC) for MSI, PI, \$20,000 through a grant by NSF, 2012-2013, an NSF Grant, National Science Foundation, PI at City Tech, Collaborative Project: Building Cybersecurity Capacity, DUE1128869 (\$99,000) Total amount of \$398,000 Joint with NYU Polytechnic 2011—2013. Professor Kahrobaei was also awarded a Traditional B PSC-CUNY Grant, CUNY Research Foundation Grant, PI, 2012-2013 (\$6,000), a Traditional B PSC-CUNY Grant, CUNY Research Foundation Grant, PI, 2013-2014 (\$6,000) and an NSF-FORWARD to Professorship Grant, PI, (\$15,000), Through an NSF grant by George Washington University, University of Ottawa, Gallaudet University, 2011-2013 (with Brown).

Professor Kahrobaei had two visiting positions at the Department of Applied Mathematics, Universitat Politècnica de Catalunya, Escola Politècnica Superior d'Enginyeriade Manresa, Spain, from April 20—30, 2013 and June 1-30, 2013.

Professor Kahrobaei published the following:

- “A Classification of Embedding of Abelian Extensions of D_n into E_{n+1} ”, Journal of Pure and Applied Algebra, Elsevier, Netherlands 217, 1942-195 (2013) (with Douglas, Repka).
- “A public key exchange based on the semidirect product using group-rings”, ACNS 2013, Applied Cryptography and Network Security, Springer's Lecture Notes in Computer Science, 7954, 475-486 (2013) (with Habeeb, Koupparis, Shpilrain).
- “A public key exchange using matrices over Group rings”, Groups, Complexity, Cryptology, De Gruyter Publication, Germany, Vol. 5, 97-115 (2013) (with Koupparis, Shpilrain).
- “A cryptosystem secure against chosen cipher-text attack using matrices over group-rings”, Contemporary Math, American Mathematical Society, to appear (2013) (with Koupparis, Shpilrain).
- “Secret Sharing Using the Shortlex Order and Non-Commutative Groups, Contemporary Mathematics, American Mathematical Society (to appear) 1-10 (2013) (with Cavallo).
- “On the Dimension of Matrix Representations of Finitely Generated Torsion Free Nilpotent Groups” Groups, Complexity, Cryptology, De Gruyter Publication, Germany, Vol. 6, 1-15 (2013) (with Habeeb).
- “Residual Solvability of Generalized Free Products of Solvable Groups”, Discrete Mathematics & Theoretical Computer Science, France, Vol. 13, No 4, 45-50 (2012) (with Majewicz).
- “Non-commutative digital signatures using non-commutative groups”, Groups, Complexity, Cryptology, De Gruyter, Vol 4, Issue 2 (2012) (with Koupparis)
- “Publicly Verifiable Secret Sharing Scheme for Non-Commutative Cryptography”, Contemporary Mathematics, American Mathematical Society, Vol. 582, 175-180 (2012) (with E.Vidaurre).
- “A Secret Sharing scheme based on group-presentation and word problem”, Contemporary Mathematics, American Mathematical Society, Vol. 582, 143-150 (2012) (with Habeeb, Shpilrain).

Professor Kahrobaei presented the following:

- The 11th KAIST Geometric Topology Fair, Korea Advance Institute of Science and Technology, Jeonju, South Korea, August 12-17, 2013. [Invited/International]
- Eighth Barcelona Weekend in Group Theory Conference, Universitat Politècnica de Catalunya and CRM-Centre de Recerca Matematica, Barcelona, Spain, April 26-27, 2013. [Invited/International]

- Mathematical Society Meeting, Special Session in Groups and Algorithms, Ottawa, Canada, December 6-9, 2013. [Invited/International]
- American Mathematical Society South Eastern Sectional Meeting, University of Louisville, Louisville, KY, October 5-6, 2013. (Canceled)
- “Secret Sharing Schemes Using Group Presentations”, National Joint American Mathematical Society 2013 meeting, AMS Special Session on Algorithmic Problems of Group Theory and Their Complexity, San Diego, January 9, 2013. [Invited]
- American Mathematical Society Eastern meeting, AMS Special Session on Algorithmic Problems of Group Theory and Applications in Cryptography, Boston College, MA, April 6-7, 2013. [Invited]
- “Analyzing the Length-Based Attack on Polycyclic Groups”, Geometric and Asymptotic Group Theory and Applications Conference, City College of New York and CUNY Graduate Center, New York, May 28-31, 2013. [Invited]
- “Searching for a secure platform for cryptology: Number Theoretic Problems vs Group Theoretic Problems”, Combinatorial and Additive Number Theory (CANT 2013) Conference, CUNY Graduate Center, New York, May 21-24, 2013.
- Association for Women in Mathematics-Society for Industrial and Applied Mathematics-Computational Mathematics and Engineering, Boston, February 25-March 1, 2013. [Invited Conference panel member]
- Princeton University, Work-Life Balance for Women in Mathematics, May 17, 2013. [Invited Panel Member]
- Science Online Teen, New York, April 13, 2013. [Invited Panel Member]
- CRM-Centre de Recerca Matemàtica, Seminari de Teoria de Grups (Barcelona, Spain), June 7, 2013. [Invited Seminar Talk]
- Leipzig University, Computer Science Department, Germany, March 26, 2013. [Invited Colloquium Speaker]
- “Recent Development in Group-Based Cryptography”, Rutgers University New Brunswick, Algebra Seminar, September 4, 2013. [Invited Seminar Talk]
- “Playing with Polycyclic Groups and Applications to Cryptography”, Smith College, MA, September 12, 2013. [Invited Colloquium Talk]
- “Theory of Computation Seminar”, Columbia University, New York, February 8, 2013. [Invited Seminar Talk]
- “Secret Sharing Schemes using Group presentation”, Group Theory, Combinatorics, and Computing conference, Florida Atlantic University, Boca Raton, Florida, October 3-8, 2012. [Invited Conference Talk]
- CUNY Graduate Center, Computer Science Colloquium, November 29, 2012. [Invited Colloquium Talk]
- Rensselaer Polytechnic Institute (RPI), Computer Science Colloquium, December 6, 2012. [Invited Colloquium Talk]
- Université Paris VII, Mathematics Institute, France, November 23, 2012. [Invited International Seminar Talk]
- Université Pierre-et-Marie-Curie, Laboratoire d'informatique de Paris 6 (LIP6), PolSys Seminar, France, November 23, 2012. [Invited Seminar Talk/International]

- Université d'Orléans, UFR Sciences Bâtiment de Mathématiques, France, November 22, 2012. [Invited Seminar Talk/International]
- Mathematical Aspects of Cryptology Student Seminar, CUNY Graduate Center, November 9, 2012.

Professor Kahrobaei was the PhD Thesis Advisor at the CUNY Graduate Center in Mathematics Department for the students: Bobby Koupparis from 2010 to 2012.

Professor Kahrobaei co-organized the following:

- “AMS Special Session on Algorithmic Problems of Group Theory and Their Complexity”, National Joint American Mathematical Society 2013 meeting, San Diego, CA, January 9-12, 2013 (with V.Shpilrain).
- “AMS Special Session on Algorithmic Problems of Group Theory and Applications in Cryptography”, American Mathematical Society Eastern meeting, Boston College, MA , April 6-7, 2013 (with V.Shpilrain).
- Manhattan Algebra Day IV, CUNY G.C., December 7 2012 (with Baumslag, Miasnikov, Kharlampovich, Shpilrain, Ushakov).
- New York Women in Mathematics and Computing Network conference, NYCCT (CUNY) Forward to Professorship II, May 10, 2013 (with Associate Provost Brown).
- “The Training and Professional Development of Teaching Assistants” 2013 Joint Mathematics Meetings, San Diego, CA. She was also a moderator of the panel session.
- Algebra-Cryptography Seminar, CUNY Graduate Center (Since Spring 2013) (with V.Shpilrain, A.Miasnirov, R.Gilman)
- Mathematical Aspects of Cryptography Student Seminar (since 2009, partly with Anshel 2009-2010).

Professor Kahrobaei co-founded and co-organized the following:

- New York Algebra Colloquium, CUNY Graduate Center since Fall 2008 (with Douglas).
- Mathematics Seminar Series, NYCCT, CUNY, Brooklyn, since September 2007 (with Schoutens).
- C-LAC Seminars, City Tech, CUNY, since fall 2008 (with Douglas).

Professor Kahrobaei was an invited reviewer to:

- NSF, Directorate of Mathematical Science, September 2012 (and a panel member).
- American Association for the Advancement of Science (AAAS) research proposals, 2013.

Professor Kahrobaei also was a reviewer for:

- Mathematical Reviews (MR), American Mathematical Society (since 2011).
- Computing Reviewer for The Association for Computing Machinery, ACM (since March 2013).

Professor Kahrobaei edited the following books:

- “Computational and Combinatorial Group Theory and Cryptography”, American Mathematical Society Contemporary Mathematics, 199 pp, Volume: 582, ISBN-10: 0-8218-7563-9, ISBN-13: 978-0-8218-7563-6 (2012) (with Fine, Rosenberger).
- “Algorithmic Problems in Group Theory, Their Complexity and applications in Information Security”, American Mathematical Society, Contemporary Mathematics, Provisionally Accepted (2013) (with Shpilrain).

Professor Kahrobaei was a member of the following:

- 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).
- Member of the Editorial Board of International Journal of Open Problems in Computer Science and Mathematics (since 2008).

Boyan Kostadinov published the following paper:

- “Simulation Insights Using R”, PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies (Taylor & Francis), Volume 23, Issue 3, 2013, pages 208-223.

Professor Kostadinov presented the following:

- “A Simulation Model for the Spread of Swine Flu Pandemic”. Poster presentation by Steven Lora at the 2012 Annual Biomedical Research Conference for Minority Students (ABRCMS) in San Jose, CA, on November 9, 2012 (with Tsenova, Lora, Reynoso, Selmanaj and Sadatian).
- “A Computer Simulation Model for the Spread of Swine Flu Pandemic”, 2013 City Tech Faculty Research Conference Talk, April 5, 2013 (with Tsenova).

Professor Kostadinov participated in the City Tech 10th Annual Poster Session, together with Prof. Liana Tsenova from the Biological Sciences Department and presented the interdisciplinary project “A Computer Simulation Model for the Spread of Swine Flu Pandemic”, on November 15, 2012. He also presented at the City Tech Mathematics Club on May 9 and 16, 2013: "Modeling the Spread of an Infectious Disease: A Computer Simulation Approach".

Professor Kostadinov was a Faculty Mentor for Honors and Emerging Scholars for the project “The Mathematics of Medical Imaging” with Frank Aline and Juan Mejia, fall 2012.

Professor Kostadinov was invited to serve in spring and summer of 2013 as a referee for PRIMUS: Problems, Resources, and Issues in Mathematics Undergraduate Studies, Taylor & Francis.

Janet Liou-Mark was a Co-PI for an NSF Math Science Partnership - MSPinNYC2 (\$5,414,852), August 2011–July 2014. She was also a Co-PI for an NSF REU – Research Experience for Undergraduates in Satellite and Ground-Based Remote Sensing at NOAA CREST_2 (\$794,307), August 2011-July 2015. Professor Liou-Mark was a Senior Personnel for an NSF Opportunities for Enhancing Diversity in the Geosciences - Creating and Sustaining Diversity in the Geosciences among Students and Teachers in the Urban Coastal Environment of New York City (\$186,194), September 2011–August 2013 and a PD for Tensor Foundation and Mathematics Association of America (MAA) Women and Mathematics grant supported project: Navigation by Mentoring and Leadership (NML): Spring 2012-2013(\$12,000-third award).

Professor Liou-Mark published the following:

- “Navigation by Mentoring and Leadership: Sustaining women majoring in mathematics”. *Journal of Mathematics and Computer Education*, 47(2), 134-142 (2013) (with Dreyfuss, Blake, Lansiquot, Yu).
- “Enhancing Diversity in STEM Interdisciplinary Learning”. In R. D. Lansiquot (Ed.) *Cases on interdisciplinary research trends in science, technology, engineering, and mathematics: Studies on urban classrooms*. New York: IGI Global (2013) (with Blake).

Professor Liou-Mark presented the following:

- “Promoting Student Success in Mathematics: The Peer-Led Team Learning Workshop Model.” Invited speaker at the Mathematics Club at York College, Jamaica, New York, October 12, 2012. [Invited/Local]
- “The ‘Treats’ of Being Involved in a Mentoring and Leadership Program for Undergraduate Women.” New York State Mathematics Association of Two-Year Colleges Region IV Conference, Westchester Community College, Valhalla, New York, October 27, 2012. [Contributed/Local]
- “The Tricks and Treats of being a Peer Leader in Mathematics: Developing a Strong Undergraduate College Student Research Mentoring Program in a Department.” New York State Mathematics Association of Two-Year Colleges Region IV Conference, Westchester Community College, Valhalla, New York, October 27, 2012. [Contributed/Local]
- “Supporting a Diverse Community of Undergraduate Researchers in Satellite and Ground-Based Remote Sensing.” The 46th Annual Meeting of the American

- Geophysical Union, San Francisco, California, December 6, 2012.
[Contributed/National]
- “Broadening Awareness and Participation in the Geosciences among Underrepresented Minorities in STEM.” The 46th Annual Meeting of the American Geophysical Union, San Francisco, California, December 7, 2012. [Contributed/National]
 - “Promoting the Geosciences among Middle and High School Students in the Urban Coastal Environment of New York City.” The 93rd Annual Meeting of the American Meteorological Society, Austin, Texas, January 7, 2013. [Invited/National]
 - “Developing and Implementing a Successful Undergraduate Research Experience: Lessons Learned from a REU Program.” The 93rd Annual Meeting of the American Meteorological Society, Austin, Texas, January 8, 2013. [Contributed/National]
 - “Service Learning.” 2013 C3IRG Grant Writing Workshop, Borough of Manhattan Community College, New York, New York, January 14, 2013. [Invited/Local]
 - “Strengthening Foundational Mathematics Courses through the Implementation of Peer-Led Workshops,” The 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013. [Contributed/International]
 - “The Experience of Peer Leadership and Its Impact on STEM Success” The 2nd Annual Meeting of the Peer-Led Team Learning International Society, Houston, Texas, June 1, 2013. [Contributed/International]

Professor Liou-Mark was elected as the MAA Metropolitan New York Section’s Vice-Chair for Four-Year Colleges (2012-2015). She was on the organizing committee for the 2013 MAA Metropolitan New York Section Meeting hosted by Farmingdale State College and for the Peer-Led Team Learning International Society 2nd annual conference hosted by the University of Houston-Downtown.

Ariane Masuda was awarded a Traditional A PSC-CUNY grant (\$3,499.64) for 2013-2014 and an AMS travel grant (\$1,800) for early career mathematicians to attend the Mathematical Congress of the Americas in Mexico.

Professor Masuda presented the following talks:

- “Rational functions with linear relations”, Faculty Research Conference, New York City College of Technology, April 5, 2013. [Local/Contributed]
- “Solving systems of equations with semi linear constraints modulo a variety of finite abelian groups”, New York Applied Algebra Colloquium, CUNY Graduate Center, November 16, 2012. [Local/Invited]
- “Permutation binomials over finite fields”, XXII Brazilian Algebra Meeting, Salvador, Brazil, July 15-20, 2012. [Contributed/International]

Professor Masuda presented the following posters:

- “Rational functions with linear relations”, New York Women in Mathematics and Computing Network Workshop, New York City College of Technology, May 10, 2013. [Contributed/Local]
- “Sequences of consecutive smooth polynomials over a finite field”, 10th Annual Poster Session of Faculty and Student Research and Faculty Publications Exhibit, New York City College of Technology, November 15, 2012. [Contributed/Local]
- “Use of flying machines to enhance STEM learning. An FYLC experience”, 10th Annual Poster Session of Faculty and Student Research and Faculty Publications Exhibit, New York City College of Technology, November 15, 2012. (with Zia, Barton, Dhakal, Kania and Mercy). [Contributed/Local]

Professor Masuda attended the following conferences:

- Mathematical Congress of the Americas, Mexico, August 5-9, 2013. [International]
- International Workshop on Finite Fields Constructions of Combinatorial Arrays, Brazil, April 21-27, 2013. [Invited/International]

Professor Masuda mentored Mr. Hol Seo in a Math Research Program from The Bronx High School of Science, summer 2013.

Sheila Miller was awarded a Traditional A PSC CUNY 44 “The Search for a Free Two-Generated Left Distributive Algebra” (\$3500).

Professor Miller published the following article:

- “The free one-generated left distributive algebra: basics and a simplified proof of the division algorithm”, Central European Journal of Mathematics. December 2013, Volume 11, Issue 12, pp 2150-2175.

Professor Miller presented the following talks:

- “Contemporary Set Theory”, Second Annual Conference for the Exchange of Mathematical Ideas, University of Northern Iowa. [Invited/National/International]

Professor Miller co-organized the New York Graduate Student Logic Conference, Graduate Center, CUNY, April 18-19, 2013. [National/International]

Professor Miller was a reviewer and board member for SIMIODE (Systemic Initiative for Modeling Investigations and Opportunities with Differential Equations), and was a session co-chair for International Sea Turtle Symposium.

Jonas Reitz published the paper

- “Pointwise definable models of set theory”, *Journal of Symbolic Logic*, Volume 78, Number 1, March 2013 (with Hamkins and Linetsky).

Hans Schoutens was awarded a Traditional B PSC-CUNY grant.

Professor Schoutens published the following papers:

- “Dimension and singularity theory for local rings of finite embedding dimension”, to appear in *Journal of Algebra*.
- “Computably categorical fields via Fermat’s Last Theorem”, to appear in *Computability* (with Miller).
- “O-minimalism”, to appear in *Journal for Symbolic Logic*

Professor Schoutens gave the following presentations:

- “Ordinal length”, IECMSA, Sarajevo, Bosnia-Herzegovina, 2013.
- “Going to great lengths...”, MATHFEST, Special session in Commutative Algebra, Hartford, CT, 2013.
- “An application of Fermat's last theorem (?): computably categorical fields of infinite transcendence degree”, CUNY Commutative Algebra and Algebraic Geometry Seminar, NY, NY. 2013.
- “Signal degradation in circuits caused by associated primes”, CUNY Commutative Algebra and Algebraic Geometry Seminar, NY, NY, 2013.
- “Condense modules, ordinal length, and the Goldie dimension”, OU-OSU Ring Theory Seminar, OSU, OH, 2013.
- “An application of Fermat's last theorem (?): computably categorical fields of infinite transcendence degree”, OSU Logic Seminar, Columbus, OH, 2013.
- “Categorical Computability via Fermat's Last Theorem”, Field Arithmetic Seminar, Tel-Aviv University, Israel, 2012.
- “Transfinite linear algebra”, CUNY Logic Workshop, NY, NY, 2012.
- “Smooth classification problems in algebraic geometry”, Einstein Institute Logic Seminar, Jerusalem, Israel, 2012.

Satyanand Singh was awarded a Perkins Grant for 2013-2014 jointly with Janet Liou-Mark and served as a reviewer for *Introductory Statistics* by P. S. Mann 8th Edition for Wiley Publishers (2012).

Prof. Singh published the following papers:

- “Learning by Visualizing” was published in the proceedings pp 158-175, (2013) for the ASEE Mid-Atlantic Section Spring Conference on April 26-17, 2013 (with N. Benakli and A. Taraporevala)

- “Square-Roots and Products of Uniform Random Variables”, problem 11565, *The American Mathematical Monthly of the Mathematical Association of America*. Volume 120, Number 1, pp 82-83, January 2013 (with Think Le).

Prof. Singh presented the following:

- “Exponential Diophantine equations of Conway and Nathanson”, CANT 2013 (New York Number theory Seminar, 11th Annual Workshop on Combinatorial and Additive Number Theory), CUNY Graduate Center May 21-24.
- “Learning by Visualizing”, ASEE Mid-Atlantic Conference at Citytech. Presented (jointly with N. Benakli, and A. Taraporevala) April 26-27, 2013.
- “An Odd Proof (Partial) of Erdos’ Ternary Conjecture”, 46th Annual Conference, NYSMATYC, April 12-14, 2013 at Glen Falls, NY.
- “A Fifth Way to Skin a Definite Integral”, Citytech Faculty Research Conference, April 5th, 2013.

Simon Smith has taken up his Discovery Early Career Researcher Award (\$312,000) by the Australian Research Council (2013–2016).

Professor Smith published the following paper:

- "Distinguishability of infinite groups and graphs", *Elec. J. Combin.* 19(2) (2012), #P27 (with Tucker and Watkins).

Professor Smith presented the following:

- "Motion, distinguishing number and orbit equivalence in infinite groups." Presented at the Group Theory, Combinatorics and Computing Conference, Florida Atlantic University, FL, USA. October 7, 2012. [Invited]
- "An extension of the O’Nan-Scott Theorem." Presented at the Manhattan Algebra Day, CUNY Graduate Center, NY, USA. December 7 2012. [Invited]
- "Permutation groups with a finite regular suborbit." Presented at SUNY Binghamton, Binghamton, NY, USA. February 21, 2012. [Invited]
- "An O’Nan-Scott Theorem for infinite primitive permutation groups" Presented at the Rocky Mountain Algebraic Combinatorics Seminar, Colorado State University, Colorado, April 19, 2013. [Invited]

Professor Smith reviewed journals and proceedings in American Mathematical Society’s *Mathematical Reviews* and *Journal of Algebraic Combinatorics*.

Thomas Tradler published the following papers:

- “Derived Higher Hochschild Homology, Topological Chiral Homology and Factorization Algebras,” accepted for publication in *Commun. Math. Phys.* (with Ginot, Zeinalian).
- “An elementary differential extension of odd K-theory,” *J. K-Theory*, doi:10.1017/is013002018jkt218 (2013), p. 1-31 (with Wilson, Zeinalian).

- “Tensor products of ∞ -algebras with homotopy inner products,” Trans. Amer. Math. Soc., Volume 365 Number 10 (2013), p. 5153-5198 (with Umble).
- “Equivariant holonomy for bundles and abelian gerbes,” Commun. Math. Phys. 315 (2012), p. 39-108 (with Wilson, Zeinalian).

Huseyin Yuce was awarded STATinMED Research Inc. Grant #71396-00 02 as a PI (2012-2014), Outcomes research analysis using real-world data (\$11,000). He was also awarded a PSC-CUNY Research Grant #65539 TRADB 43-120 as a PI (2012-2013), Vibrations of circularly periodic plates with free boundary conditions (\$3,990) and an NSF-ATE grant as a co-PI STEM Coordinator (2011-2014), Fuse Lab: Collaborative education for tomorrow’s technology in architecture, engineering & construction (\$887,322).

Professor Yuce was also invited to Chancellor’s the Salute to Scholars receptions at the Graduate Center for honoring the grants:

- CUNY Annual Reception Honoring Award and Grant Recipients, spring 2012.
- CUNY Annual Reception Honoring Award and Grant Recipients, fall 2012.

Professor Yuce gave the following presentation:

- “Fundamental eigenvalues of biharmonic equations on circularly periodic domains”, International Conference on Applied Mathematics and Approximation Theory (AMAT), TOBB University of Economics and Technology, Ankara, Turkey, May 17-20, 2012.

Professor Yuce gave the following Research Posters:

- “Brooklyn Waterfront 2050”, NSF-TUES Program PI Conference, Washington D.C., January 23-25, 2013.
- “Data visualization of treatment patterns of medicare psoriatic and rheumatoid arthritis”, ISPOR 17th Annual International Meeting, Washington D.C., June 2-6, 2012.
- “Applications of data visualization tool: psoriasis, Crohn's disease, ulcerative colitis”, ISPOR 17th Annual International Meeting, Washington D.C., June 2-6, 2012.

Professor Yuce organized following faculty development workshops for NSF-TUES project Brooklyn Waterfront 2050:

- Urban agriculture and rooftop farming/energy issues, by Kubi Ackerman, September 20, 2012.
- The Importance of Surface Energy Balance and Mass Balance Concepts For Environmental Studies Programs, by Dr. Stuart Gaffin, May 10, 2012.
- I am a co-founder and a co-organizer of the CUNY Applied Mathematics Seminar at the Graduate Center.

Professor Yuce refereed the book “Structural Vibration: Exact Solutions for Strings, Membranes, Beams, and Plates” by C.Y. Wang & C.M. Wang, CRC Publication, May 14, 2013. He also refereed a paper for Value in Health, May 8, 2013, a paper for Diabetes Therapy, February 18, 2013, paper for Health Economics Review, January 10, 2013, a paper for Health Policy, October 11, 2012 and a paper for Health Outcomes Research in Medicine, February 29, 2012.

Professor Yuce was a member of the editorial board of Journal of Health Economics and Outcomes Research (JHEOR).

Lin Zhou was awarded a Traditional A, PSC-CUNY Research Grant # 66126-00 44 as a PI (2013-2014), Stochastic Simulation of Entangled Networks. Award: \$2578.00 and PDAC Travel Award in spring 2013.

Professor Zhou presented the following talks:

- “Diffusive Effects on the Transient and Steady State Shear Response of the VCM model”, SIAM Conference on Mathematical Aspect of Material Science, Philadelphia, PA, June 8-12, 2013. [Invited/International]
- “Shear Responses of the VCM model for Wormlike Micellar Mixtures”, Frontiers in Applied and Computational Mathematics, Newark, NJ, May 31-June 2, 2013. [Invited/National]
- “Diffusive Effects on the Transient and Steady State Shear Responses of the VCM Model for Wormlike Micellar Mixtures”, Minisymposium, The Society of Rheology 84th Annual Meeting, Pasadena, CA, February 10-14, 2013. [National]

Professor Zhou co-organized two minisymposia: Complex Fluids: Modeling and Simulation of the SIAM (Society of Industrial and Applied Mathematics) Conference on Mathematical Aspects of Material Science, June 9-13, 2013, Philadelphia, PA – an international conference held twice a year that brings together mathematicians, engineers and scientists interested in computational material sciences.

PHYSICS

Compiled by O. Berman

This newsletter summarizes the achievements of the Physics Departments for the academic year 2012-2013. A number of activities have taken place within the Physics Department that contributed to the increasing research efforts within our College. City Tech students have been involved in this process in several ways, including participating in research projects as well as seminars.

Prof. Kezerashvili chaired the Tenth Annual Poster Session on November 15, 2012 for Faculty and Students. Many faculty members contributed a poster, in many cases in collaboration with students.

Several faculty members contributed to the success of the Sixth Annual City Tech Research Conference. Profs. Acquaviva, Berman, Gelman, Grigorenko, Kolmakov, and Vazquez-Poritz presented talks in the Physics parallel session. Many faculty members participated and helped in the organization. Several students involved in research with Physics faculty also participated to the Emerging Scholar Poster Presentation.

A number of **Research Grants** were awarded to Physics Faculty. PSC-CUNY grants for 2012-2013 were awarded to Profs. Acquaviva, Berman, Ferrogli, Kolmakov, Krym, and Leng.

The **City Tech Center for Theoretical Physics (CTP)**, established in the summer of 2012, completed its third year of activities. The CPT is a unified research and teaching center focused on fundamental physics. The primary mission of the CTP is to foster and promote excellence in theoretical physics research with significant focus on mathematical physics, computational physics, condensed matter physics, particle physics, nuclear physics, and astrophysics. The CTP also aims to educate graduate and undergraduate students in theoretical and computational physics and to communicate its activities to the general public through public lectures and other outreach activities. The CTP provides a seminar series, supports collaborative research between members of the CTP and other academic institutions worldwide, supports graduate and undergraduate students' research. Several guests have been invited to visit our college for research collaborations with our faculty and to present seminars within the Joint Math and Physics Colloquium and the Physics Seminar in Theoretical Physics: among them Thomas Becher (Bern University), Andrew Millis (Columbia University), Paolo Gambino (Turin University), Azriel Genack (Queens College of CUNY), Viviana Acquaviva (New York City College of CUNY), Eugene Chudnovsky (Lehman College of CUNY), Gionata Luisoni (Max Planck Institute for Physics), David Huse (Princeton University), Peter Littlewood (Argonne National Laboratory), Chih-hao Fu (National Chiao Tung University), Mark Stockman (George State University), Alessandro Vicini (Universita di Milano and INFN), James T. Liu (University of Michigan), Rob Coalson (University of Pittsburgh), Gabriel Abelof (ETH Zurich), Pawel Hawrylak (Institute for Microstructural Sciences (IMS)) at the National

Research Council of Canada (NRC)), Nicolas Greiner (Max Planck Institute for Physics), Joseph Malinsky (Bronx Community College of CUNY). The seminars have been coordinated by Profs. Berman and Vazquez-Poritz.

Numerous research papers have been published by the Physics faculty in prestigious peer-reviewed journals such as Physical Review, Physics Letters, Advances in Space Research, Nanotechnology, Philosophical Transactions of Royal Society, Acta Astronautica, Solid State Communications, Journal of High Energy Physics, Journal of Optical Society of America. In addition, our faculty gave presentations on major national and international conferences worldwide: their contributions appeared on the conference Proceedings. The Physics faculty also made numerous presentations at the college and university level and given invited talks at colloquia and seminars at various institutions. Several members of the Physics faculty have been reviewers for prestigious peer-reviewed journals such as Physical Review, Physical Review Letters, Solid State Communications, Superlattices and Microstructures, Advances in Space Research, Physics Letters, Applied Physics, Journal of High Energy Physics.

Achievements September 2012- September 2013

Dr. Viviana Acquaviva

Presentations:

- “The LAE-OII separation in the HETDEX survey”, Hobby-Eberly Telescope Dark Energy eXperiment collaboration meeting, Rutgers University (2012) (contributed talk).
- “SED fitting and photometric redshifts: a joint analysis”, American Astronomical Society Meeting, Long Beach, CA (2013) (contributed talk)
- CUNY CityTech, Physics Seminar (2012) (Invited)
- American Museum of Natural History, Astrophysics Colloquium (2012) (invited)
- University of Massachusetts at Amherst, Astrophysics Colloquium (2013) (invited)

Conference organization:

Co-organizer (with E. Gawiser) of the international workshop of the Hobby-Eberly Telescope Dark Energy Experiment (Rutgers U., Dec 2012)

Dr. Oleg Berman

Publications:

- O. L. Berman, R. Ya. Kezerashvili, G.V. Kolmakov, " On nonlinear dynamics of a dipolar exciton BEC in two-layer graphene", Phys. Lett. A376, 3664–3667

- (2012).
- O. L. Berman, R. Ya. Kezerashvili, K. Ziegler, "Superfluidity and collective properties of excitonic polaritons in gapped graphene in a microcavity", Physical Review B 86, 235404 (2012).
 - O. L. Berman, Yu. E. Lozovik, A. A. Kolesnikov, M. V. Bogdanova, and R. D. Coalson, "Surface plasmon polaritons and optical transmission through a 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).

Presentations:

- O. L. Berman, V. S. Boyko, R. Ya. Kezerashvili, and Yu. E. Lozovik, Graphene-based photonic crystals and localization of electromagnetic waves, Graphene week 2012, June 4-8, 2012, Delft, Netherlands
- O. L. Berman, R. Ya. Kezerashvili, K. Ziegler, Superfluidity of dipole excitons in two layers of gapped graphene, 31st International Conference on the Physics of Semiconductors, ICPS 2012, July 29-August 3, 2012, Zurich, Switzerland
- O. Berman, R. Kezerashvili, and Y. Lozovik, Graphene-based spaser, APS March Meeting 2013, Baltimore, Maryland, March 18-22, 2013.

Awards:

Was awarded and Kavli Institute for Theoretical Physics (KITP) University of California Santa Barbara (UCSB) Scholar for 2013-2015.

Dr. Andrea Ferroglia

Publications:

- Andrea Ferroglia, Ben D. Pecjak, Li Lin Yang, Ben D. Pecjak, Li Lin Yang, "The NNLO soft function for the pair invariant mass distribution of boosted top quarks", JHEP 1210 (2012) 180.
- Alberto Sirlin and Andrea Ferroglia, "Radiative Corrections in Precision Electroweak Physics: a Historical Perspective", Rev.Mod.Phys. 85 (2013) 1, 263-297.

- Andrea Ferroglia and Alberto Sirlin, “Comparison of the Standard Theory Predictions of M_W and $\sin^2 \theta_{\text{eff}}^{\text{lept}}$ with their Experimental Values”, Phys.Rev. D87 (2013) 037501
- Alessandro Broggio, Andrea Ferroglia, Matthias Neubert, Leonardo Vernazza, Li Lin Yang, “Approximate NNLO Predictions for the Stop-Pair Production Cross Section at the LHC”, JHEP 1307 (2013) 042.
- Andrea Ferroglia, Christoph Greub, Alberto Sirlin, Zhibai Zhang, “Contributions of the W-boson propagator to muon and tau leptonic decay rates”, Phys.Rev. D88 (2013) 033012

Presentations:

- Presentation at the international conference CKM 2012, Cincinnati, Ohio, October 2012
- Invited Seminar at Turin University (Italy), Jan 2013
- Invited Seminar Brookhaven National Laboratory, Feb 2013.

Dr. Boris Gelman

Publications:

- B.A. Gelman, “Nucleon-Nucleon Scattering and Large Nc QCD”, Proceedings of Science (Confinement X) 246, 2013.
- T.D. Cohen and B.A. Gelman, “Total nucleon-nucleon cross sections in large Nc QCD”, Physical Review C 85, 024001 (2012)

Presentations:

- B.A. Gelman, “Nucleon-Nucleon Scattering and Large Nc QCD”, Xth Quark Confinement and Hadron Spectrum”, Invited Talk, International Conference, October 8 - October 12, 2012, Technical University of Munich, Garching, Germany.

Dr. Roman Kezerashvili

Publications:

- R. Ya. Kezerashvili, Sh. Tsiklauri, Biexciton and Triexciton States in Quantum Dots. Few Body Syst. 54, 1653-1657 (2013)
- R. Lomsadze, M. R. Gochitashvili, R. Ya. Kezerashvili, N. O. Mosulishvili, R. Phaneuf, "Inelastic processes in $K^+ \text{--} \text{He}$ collisions in energy range 0.7–10 keV", Physical Review. A **87**, 042710 (2013).

- O. L. Berman, R. Ya. Kezerashvili, and K. Ziegler, "Coupling of two Dirac particles", *Physical Review A* **87**, 042513 (2013).
- R. Ya. Kezerashvili, J. F. Vazquez-Poritz, "Effect of a drag force due to absorption of solar radiation on solar sail orbital dynamics", *Acta Astronautica* **84**, 206-214, (2013).
- R. Ya. Kezerashvili, J. F. Vazquez-Poritz, "Can solar sails be used to test fundamental physics?", *Acta Astronautica*, **83**, 54–64, (2013).
- O. L. Berman, R. Ya. Kezerashvili, K. Ziegler, "Superfluidity and collective properties of excitonic polaritons in gapped graphene in a microcavity", *Physical Review B* **86**, 235404 (2012).
- O. L. Berman, R. Ya. Kezerashvili, G.V. Kolmakov, " On nonlinear dynamics of a dipolar exciton BEC in two-layer graphene", *Physics Letter. A* **376**, 3664–3667 (2012).
- O. L. Berman, R. Ya. Kezerashvili, G.V. Kolmakov, and Yu. E. Lozovik, "Turbulence in a Bose-Einstein condensate of dipolar excitons in coupled quantum wells", *Physical Review B* **86**, 045108 (2012).
- R. Ya. Kezerashvili, "Teaching RC and RL circuits using computer-supported experiments", *IERI Procedia* **2**, 609-615 (2012).

Presentation:

- V. S. Boyko and R. Ya. Kezerashvili, Twinning in nanocrystalline fcc and bcc metals, APS March Meeting 2013, Baltimore, Maryland, March 18-22, 2013.
- R. Ya. Kezerashvili, Solar Sail: Materials and Space Environmental Effects, Solar Sailing, Glasgow, June 11-13, 2013.
- R. Ya. Kezerashvili, Solar Sail: Materials and Space Environmental Effects, The Third International Symposium in Solar Sailing, Glasgow, UK, June 11-13, 2013.
- R. Ya. Kezerashvili, Solar sailing: concepts and new development. Cycle lectures and seminars, Tbilisi State University and Institute of Physics, Tbilisi, Republic of Georgia, January 22, 2013.
- O. L. Berman, R. Ya. Kezerashvili, and K. Ziegler, Two-body problem in graphene, APS April Meeting 2013, Denver, Colorado, April 13–16, 2013.
- R. Ya. Kezerashvili, Bose-Einstein condensation and superfluidity of excitons and polaritons, Tbilisi State University and Institute of Physics, Tbilisi, Republic of Georgia, January 14, 2013.
- O. L. Berman, R. Ya. Kezerashvili, and K. Ziegler, Formation of excitons in graphene as a two-body problem, 20th International Conference on Few Body Problem in Physics, August 20-25, 2012, Fukuoka, Japan
- R. Ya. Kezerashvili, Sh. Tsiklauri, Biexciton and Triexciton States in Quantum Dots, 20th International Conference on Few Body Problem in Physics, August 20-25, 2012, Fukuoka, Japan
- R. Ya. Kezerashvili, Teaching RC and RL circuits using computer-supported experiments, International Conference on Future Computer Supported Education, August 22-23, 2012, Seoul, Korea

- R. Ya. Kezerashvili, Symposium: the 60th anniversary of Prof. G. Ya. Kezerashvili, Budker Institute of Nuclear Physics, June 15, 2012, Novosibirsk, Russia
- R. Ya. Kezerashvili, On the Dynamics of Solar Sail in the Framework of General Relativity, Invited Seminar at St. Petersburg State University, June 19, 2012, St. Petersburg, Russia
- R. Ya. Kezerashvili, The Interrupted Flight – Paper that Guram Has No Opportunity to Present, XIII International Seminar on Electromagnetic Interactions of Nuclei, September 20-23, 2012, Moscow, Russia

Was a member of the International Organizing Committee for “The Third International Symposium in Solar Sailing, Glasgow, UK, June 11-13, 2013.

Dr. Lufeng Leng

Publications:

- L.Leng, and T. Le, “A Raman amplified GPON reach extension system using parameters of a deployed fiber”, Optics Express, Vol. 20, No. 24, pp. 26473-26479, November 2012.

Dr. Giovanni Ossola

Publications:

- P.Mastrolia, E.Mirabella, G.Ossola, T.Peraro, "Scattering Amplitudes from Multivariate Polynomial Division", Phys.Lett. B718 (2012) 173-177
- H. van Deurzen, N. Greiner, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro, J.F. von Soden-Fraunhofen, F. Tramontano, “NLO QCD corrections to the production of Higgs plus two jets at the LHC”, Phys.Lett. B721 (2013) 74-81
- P.Mastrolia, E.Mirabella, G.Ossola, T.Peraro, "Integrand-Reduction for Two-Loop Scattering Amplitudes through Multivariate Polynomial Division"
- G. Cullen, H. van Deurzen, N. Greiner, G. Luisoni, P. Mastrolia, E. Mirabella, G. Ossola, T. Peraro, F. Tramontano, “NLO QCD corrections to Higgs boson production plus three jets in gluon fusion”, Phys.Rev.Lett. 111 (2013) 131801

Presentations:

- Invited lecture "A new perspective on scattering amplitudes" at the "VIII Avogadro Meeting on String Theory, Supergravity and Gauge Theories" at Scuola Normale Superiore, Pisa on December 21, 2012,

- “NLO QCD Production of Higgs boson plus jets with GoSam”, European Physical Society Conference on High Energy Physics (EPS-HEP 2013), Stockholm, Sweden, 18-24 Jul 2013.
- “Automated computation of scattering amplitudes,” 15th International Workshop on Advanced Computing and Analysis Techniques in Physics Research (ACAT 2013), Beijing, China, 16-21 May 2013.

Dr. Justin Vazquez-Poritz

Publications:

- Justin F. Vazquez-Poritz and Zhibai Zhang, "Brane resolution through fibration", Phys. Rev. D 86 (2012) 106001.
- Hai-Shan Liu, H. Lu, C.N. Pope and Justin F. Vazquez-Poritz, "Not conformally-Einstein metrics in conformal gravity", Class. Quant. Grav. 30 (2013) 165015.

Presentations:

Seminar "Some applications of AdS/CFT" at Beijing Normal University in China on January 17, 2013

SOCIAL SCIENCES

Compiled by Gulgun BayazOzturk

Social Science Faculty Publications

- Assimacopoulos, S., Kao T., Issa N. P., and Grove E. A. (2012). Fibroblast growth factor 8 organizes the neocortical area map and regulates sensory map topography. *Journal of Neuroscience*, 32(21), 191-201.
- Bayaz-Ozturk, Gulgun, Richard V. Burkhauser and Kenneth A. Couch. "Consolidating the Evidence on Income Mobility in the Western States of Germany and the U.S. from 1984-2006." Forthcoming, *Economic Inquiry*. (first published online June 7, 2013).
- Doviak, Eric and MacDonald, Sean. Who Defaults on their Home Mortgage? *New York Economic Review*, vol. 43, 75-98, Fall 2012. <http://nysea.bizland.com/>
- Hannum, Randall "Recession of 1920-1921", in *The Twenties in America*, edited by Carl Rollyson (Salem Press, Pasadena, CA, 2012).
- MacDonald, Sean, Sodeinde, Olufemi, and Zameer, Andleeb. Theories in practice: A focus on STEM at City Tech. In R. D. Lansiquot (Ed.) *Cases on interdisciplinary research trends in science, technology, engineering, and mathematics: Studies on urban classrooms*. New York: IGI Global, Fall 2012.
- MacDonald, Sean and Doviak, Eric. The Economic Dimensions of the Foreclosure Crisis, *Proceedings of the New York State Economics Association*. vol. 5, Fall 2012.
- Moxon, K., Kao, T., and Shumsky, J. S. (2013). Role of Cortical Reorganization on the effect of 5-HT pharmacotherapy for spinal cord injury. *Experimental Neurology*, 240(2013), 17-27.
- Parides, P. K. (2012). The Halban Affair and British Atomic Diplomacy at the End of the Second World War, *Diplomacy and Statecraft*, 23(4), 619-635.
- Rodriguez, E. M., Lytle, M. C., & Vaughan, M. D. (2013). Exploring the intersectionality of bisexual, religious/spiritual and political identities from a feminist perspective. *Journal of Bisexuality*, 13, 285-309.
- Rodriguez, E. M. & Shmerler, D. L. (2013). Will I burn in hell because I'm gay? The psychology of sexual and spiritual identity conflict. In L. B. Gahan & T. Jones (Eds.), *Heaven Bent*. Thornbury, VIC, AU: Clouds of Magellan.
- Rodriguez, E. M., & Vaughan, M. D. (2013). Stress-related growth in the lives of lesbian and gay people of faith. In J. Sinnott (Ed.), *Positive Psychology and Adult Motivation* (pp. 291-307). New York, NY: Springer.

- Rodriguez, E. M. & Follins, L. D. (2012). Did God make me this way? Expanding psychological research on queer religiosity and spirituality to include intersex and transgender individuals. *Psychology & Sexuality*, 3(3), 214-225.
- Sorin, Martin D. and Randall J. Hannum “Which Extramural Scientists were Funded by the US National Institutes of Health from its ARRA Funds?” *Science and Public Policy*, first published online: June 6, 2013.
- Stanev, Stanimir and Randall Hannum "To the question of Anglo-American Planes, Fallen During 1943-44 in Bulgaria and in the Areas, Controlled by the Bulgarian Army." Collection of scientific works of the National Conference with international participation "40 years of Shumen University 1971-2011." University Publishing "Konstantin preslavsky", 2012.
- Vaughan, M. D., & Rodriguez, E. M. (2013). The influence of Erik Erikson on positive psychology theory, research and practice. In J. Sinnott (Ed.), *Positive Psychology and Adult Motivation* (pp. 231-245). New York, NY: Springer.
- Zylstra, Geoff. D. “Struggle over the Streets: Industrialization and the Fight over the Corporate Control of Street Space in Philadelphia, 1830-1860,” *Journal of Urban Technology*. Vol 20, no 3. Summer 2013. 3-19.
- Zylstra, Geoff. D. “Stretching Time, Collapsing Space: How New Jersey Market Gardeners Used Technology to Control Production, 1840-1870.” *Agricultural History*. Vol 87, No 2, Spring 2013, 144-169.

Social Science Faculty Presentations

- Albrecht, V., Kubeck, J. E., & Lyon, J. (International, 2012, June 6-9). Life after Roper and Graham - Life Without Parole for Juvenile Offenders. Paper presented at the Tenth Biennial International Conference co-sponsored by John Jay College of Criminal Justice: Global Perspectives on Justice, Security and Human Rights, New York City, United States.
- Bayaz Ozturk, Gulgun and Gallo, William. "Effect of Job Loss on Wealth Accumulation of Older Workers", U.S. Department of Labor, Washington, DC, September 2012.
- Bayaz Ozturk, Gulgun and Gallo, William. "Effect of Job Loss on Wealth Accumulation of Older Workers", Brownbag seminars at MDRC, New York, NY, August 2012.
- Bayaz Ozturk, Gulgun and Wachter, Haena. “Outbreak of Salmonella Heidelberg in NYC: A Cost-Benefit Analysis”, Presented at the New York City Department of Health and Mental Hygiene, CDC Site Visit, April 2013.
- Doviak, Eric and MacDonald, Sean. Who Defaults on their Home Mortgage? **and** Who Enters the Foreclosure Process? Papers presented at the 38th Annual Conference of the Eastern Economics Association, Boston, March 2012 <http://www.ramapo.edu/eea/2012/docs/Program-2012-011912.pdf>
- Kubeck, J. E., Albrecht, V., & Lyon, J. (International, 2012, July 22-27). Factors that Influence Children’s Treatment in Penal Systems: An International Comparison. Poster presented at the 30th International Congress of Psychology, Cape Town, South Africa.

- Kubeck, J. E., Albrecht, V., & Lyon, J. (National, 2012, May 24-27). "Children in Penal Systems Worldwide: The Moderating Influence of Literacy and Constitutional Authority." Poster presented at the Annual Convention of the Association for Psychological Science (APS), Chicago, IL.
- Kubeck, J. E., & Rodriguez, E. M. (2012, May). *What to write... The nuts and bolts of successful IRB applications*. Faculty Commons Workshop, New York City College of Technology, Brooklyn, NY.
- Kubeck, J. E., Her, P., Neroulias, K., Abdulghani, H., & Pascal Babmatee (International, 2012, April 23-25). "Emotional Stress, Meaning-making, and Well-being." Poster presented at the International IOSSBR (International Organization of Social Sciences and Behavioral Research) Conference, Atlantic City, NJ (Received Best Paper Award).
- MacDonald, Sean and Doviak, Eric, The Economic Landscape of the Foreclosure Crisis. Paper presented at the 39th Annual Conference of the Eastern Economics Association, New York, NY, May 2013 <http://www.ramapo.edu/eea/files/2013/03/Schedule-for-May-9-11-Conference.pdf>
- MacDonald, Sean and Doviak, Eric, The Economic Landscape of the Foreclosure Crisis. Paper presented at the 65th Annual Conference of the New York State Economics Association, Fall 2012 (Served as Chair of Session on Regional Economics; served as a paper discussant) <http://nysea.bizland.com/>
- MacDonald, Sean, Have Loan Modification Programs been Effective in Reducing Foreclosure Rates since the Housing Market Collapse of 2008? In A. Delikan (Chair), Social Sciences, paper presented at the Spring 2013 City Tech Faculty Research Conference April 5, 2013.
- Ream, G. L., & Rodriguez, E. M. (2013, May). *Religion and sexual orientation identity in adolescence and emerging adulthood*. Paper presented at the annual meeting of the Society for Research on Identity Formation (SRIF), St. Paul, Minnesota.
- Rodriguez, E. M., Shmerler, D. L., & Lytle, M. C. (2013, August). Working with LGBT individuals: Integrating positive psychology into training and practice. In M. D. Vaughan (Chair), *LGBT strengths: Positive psychology and the intersection of identities*. Symposium conducted at the annual meeting of the American Psychological Association, Honolulu, HI.
- Rodriguez, E. M. (2013, April). *The nuts and bolts of successful IRB applications*. Faculty Commons Workshop, New York City College of Technology, Brooklyn, NY.
- Rodriguez, E. M. (2012, March). *Micro-level Congregational Analysis as Community Collaboration Research: An Update on the Trinity Lutheran Church Strategic Planning Project*. Paper presented at the sixth annual City Tech Faculty Research Conference, New York City College of Technology, Brooklyn, NY.
- Vaughan, M. D. & Rodriguez, E. M. (2013, August). Insights from psychological theory and research on LGBT strengths. In M. D. Vaughan (Chair), *LGBT strengths: Positive psychology and the intersection of identities*. Symposium conducted at the annual meeting of the American Psychological Association, Honolulu, HI.

- Zylstra, G. D. (International) “How I Teach Gender in History (of Technology),” *President’s Roundtable: Rethinking Modes of Instruction in Diverse Communities*. Society for the History of Technology meeting. Portland, ME, October 12, 2013.
- Zylstra, G. D. (Local) “Stretching Time, Collapsing Space, Market Gardeners use Technology to Control Production,” New York City College of Technology Research Conference. Brooklyn, NY April 5, 2013.
- Zylstra, G. D. (International) “Struggle over the Streets: Industrialization and the Corporate Control of Street Space in Philadelphia, 1830-1860” Urban History Association. New York, NY, October 26, 2012.
- Zylstra, G. D. (International) “Women in Technological History (WITH) in the 21st Century – Future Directions (Organizer),” Society for the History of Technology meeting. Copenhagen, October 5, 2012.
- Zylstra, G. D. (Local) “The Rise and Fall of Coney Island: A Story of Industrial and Post-Industrial Consumption.” NEH Landmarks workshop, Along the Shore: Changing and Preserving the Landmarks of Brooklyn’s Industrial Waterfront. Brooklyn, NY. June 8 & 22, 2012.
- Zylstra, G. D. (Local) “Early American History and Epistemology in the Archive.” Brooklyn Historical Society, Brooklyn, NY. June 14, 2012.

Invited Lectures

- Rodriguez, E. M. (2013, November). *Clinical Psychology and Fundamentalist Religious Beliefs*. Invited lecture presented to pre-doctoral psychology interns and externs at Kings County Hospital Center, Brooklyn, NY.
- Rodriguez, E. M. (2013, June). *Exploring the relationship between fundamentalist religious beliefs and clinical psychology*. Invited lecture presented to the pre-doctoral psychology interns and externs at Lincoln Medical and Mental Health Center, Bronx, NY.
- Rodriguez, E. M. (2013, March). *Becoming a MNYS Deacon: My Experiences as an ELCA Diakonia Student*. Invited “Temple Talk” presented to the members and participants of Trinity Lutheran Church, Astoria, NY.
- Rodriguez, E. M. (2012, November). *Linking peer leadership with social cognition: Key concepts and potential implications*. Invited lecture presented to the City Tech Student Peer Leaders, New York City College of Technology (City Tech, CUNY), Brooklyn, NY.
- Rodriguez, E. M. (2012, October). *Religious conservatism meets clinical psychology: Issues for patients and therapists*. Invited lecture presented to pre-doctoral psychology interns and externs at the Kings County Hospital Center, Brooklyn, NY.
- Rodriguez, E. M. (2012, April). *Whistling Vivalid: How stereotypes affect us and what we can do by Claude Steele*. Moderated this Faculty Commons Workshop for the Undergraduate Research Committee at the New York City College of Technology, Brooklyn, NY.

- Rodriguez, E. M. (2012, January). *Religious conservatism and the patient/therapist relationship: Issues for clinical psychologists*. Invited lecture presented to pre-doctoral psychology interns and externs at Kings County Hospital Center, Brooklyn, NY.
- Rodriguez, E. M. (2012, January). *Religion and spirituality in the LGBTQI community*. Invited lecture presented during Psychiatric Grand Rounds at North Central Bronx Hospital, Bronx, NY.
- Zylstra, G. D. (International) Commentator: “Shifting Cultures and Transforming Identities: Alternative Bodies/Technologies in Other-Abled and Gendered Communities” Society for the History of Technology meeting. Portland, ME, October 12, 2013.

Reviewer of research proposals for a grant agency

Zylstra, G. D. PSC CUNY Grants Reviewer for the Interdisciplinary Panel – Reviewed 8 Proposals.

Refereeing for a journal/proceedings

Zylstra, G. D. Contributing Editor for the journal *Technology and Culture* and reviewed one article for that journal.

Undergraduate Research – Emerging Scholars Program: Spring 2013

Sean MacDonald mentored student (Dennis Trotter) in his Emerging Scholars research project, The Economic Benefits of Increasing the use of Renewable Energy. Spring 2013 Honors and Emerging Scholars Program, New York City College of Technology.

Appointments

In March 2013, Eric Rodriguez was appointed by Provost Bonne August as the Human Research Protection Program (HRPP) Coordinator for City Tech

ENGLISH

Compiled by Anna Do

Aaron Barlow

Books:

- Barlow, Aaron. *The Cult of Individualism: A History of an Enduring American Myth*. Santa Barbara, CA: Praeger Publishers, 2013.
- Barlow, Aaron, ed. *One Hand Does Not Catch a Buffalo: 50 Years of Amazing Peace Corps Stories*. Palo Alto, CA: Travelers'Tales, 2011.
- Barlow, Aaron. *Quentin Tarantino: viața la extreme*. Bucharest: IBU Publishing, 2011. [This is a translation of a 2010 book of mine.]

Book Chapters:

- Barlow, Aaron. "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.
- Barlow, Aaron. "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: Paeger, 2013.
- Barlow, Aaron. "Android Dreams and Human Imaginings." In *Critical Insights: Technology and Humanity*. Carol Colatrella, ed. Ipswich, MA: Salem Press, 2012.
- Barlow, Aaron. "The Pride and Reward of Falsification: Post-Objectivity as Post-Responsibility." *News with a View: Essays on the Eclipse of Objectivity in Modern Journalism*. Burton Saint John and Kirsten Johnson, ed. Jefferson, NC: McFarland, 2012.
- Barlow, Aaron. "'If It Sucks, It's Your Fault': Joss Whedon and the Empowerment of Fans." In *Cult Pop Culture: How the Fringe Became Mainstream*. Bob Batchelor, ed. Santa Barbara, CA: Praeger, 2011.

Other Publications:

- Barlow, Aaron. "Not Just Writing *Writ Large*: Printing as the Greatest Invention of Any Age." *Enduring Questions: A Suite of Electronic Social History Products from ABC-CLIO*, 2012. [Peer reviewed.]
- Barlow, Aaron. "Book Review: *Making it in the Political Blogosphere: The World's Top Political Bloggers Share the Secrets to Success* by Tanni Haas." For

- Journalism: Theory, Practice and Criticism* 13 (6), August, [2012. 825-826.](#)
- Barlow, Aaron. "On Philip K. Dick's 'Faith of Our Fathers.'" *Otaku* 25, July 2012. 4-5.
 - Barlow, Aaron. "There Is No Such Thing as the American Pastime—and There Never Has Been." *Enduring Questions: A Suite of Electronic Social History Products from ABC-CLIO*, 2011. [Peer reviewed.]
 - Barlow, Aaron. "Cultural Strengthening: How the Internet Most Affects the Life of the Common Person." *Enduring Questions: A Suite of Electronic Social History Products from ABC-CLIO*, 2011. [Peer reviewed.]
 - Barlow, Aaron. "Elephant Morning." In *One Hand Does Not Catch a Buffalo: 50 Years of Amazing Peace Corps Stories*. Palo Alto, CA: Travelers' Tales, 2011. Ed. Aaron Barlow.
 - Barlow, Aaron. "The 'Fair Use' Challenge." *The CCCC-IP Annual: Top Intellectual Property Developments of 2010*. Clancy Ratliff, ed. Urbana: IL, National Council of Teachers of English, 2011. 23-25.

Presentations:

- Barlow, Aaron. "The Bearable Light of Openness: Renovating Obsolete Peer Review Bottlenecks." Presented as part of the panel "The Future of Peer Review" at the Modern Language Association Annual Convention, Seattle, WA, January 5, 2012.
- Barlow, Aaron. "Lying for Fun and Profit." Presented as part of the panel "Reclaiming Our Spaces: Accessibility and the Public University" at the Conference on College Composition and Communication, Atlanta, GA, April 8, 2011.

Jill Belli

Grants:

- Faculty Fellow, Living Lab General Education Seminar. "A Living Laboratory: Revitalizing General Education for a 21st-Century College of Technology." New York City College of Technology, CUNY, Spring 2013 – present
- "The Writing Studies Tree: An Academic Genealogy." Collaboration with Benjamin Miller (Project Lead) and Amanda Licastro. Provost's Digital Innovation Grant, The Graduate Center, CUNY, 2013-14.

Conference Presentations:

- "Educating Desire, but in Whose Interest?: Re-thinking Hope, Positive Psychology, and Utopia." Society for Utopian Studies Annual Conference, Charleston, SC, 15 November 2013. Conference Presentation.
- "Unhappy? There's an App for That: Digital Happiness, Data Mining, and Networks of Well-Being." Invited Presentation. Utopography: Imaging,

- Representing and Critiquing Imagined Worlds, Newcastle, UK, 20 September 2013. Conference Presentation.
- “Not Happiness, but Hope: Reframing the Current Debates on Well-Being.” Utopian Studies Society Annual Conference, New Lanark, Scotland, 2 July 2013. Conference Presentation.
 - “Composing and Collaborating on the OpenLab” Computers and Writing Annual Conference, Frostburg, MD, 9 June 2013. Conference Presentation.
 - “The Writing Studies Tree: Coding Composition Genealogies.” Computers and Writing Annual Conference, Frostburg, MD, 7 June 2013. Conference Presentation.
 - “‘Drafting Happiness’: Comprehensive Soldier Fitness, Curriculum Design, and the Composition Classroom.” Conference on College Composition and Communication Annual Convention, Las Vegas, NV, 14 March 2013. Conference Presentation.
 - “Pedagogies of Happiness: Teaching about/for Well-Being.” “Research Network Forum: The Public Work of Composition.” Conference on College Composition and Communication Annual Convention, Las Vegas, NV, 13 March 2013. Invited Presentation.
 - “From Data Mining to Mobile App Development: Digital Scholarship across the Disciplines.” 11th Annual CUNY IT Conference, New York, NY, 30 November 2012. Conference Presentation.
 - “Introducing the Writing Studies Tree: An Interactive Composition & Rhetoric Archive.” 11th Annual CUNY IT Conference, New York, NY, 30 November 2012. Conference Presentation.
 - “The Writing Studies Tree: An Interactive Composition & Rhetoric Archive.” City Tech 10th Annual Faculty Poster Session, New York, NY, 15 November 2012. Poster Presentation.
 - “The Rhetoric of Resiliency: Complicating the Core Values of the United States Army Comprehensive Soldier Fitness Program.” Society for Utopian Studies Annual Conference, Toronto, Ontario, 6 October 2012. Conference Presentation.

Chaired Conference Panels and Conference Table Installation:

- “ARGuments for Utopia: Virtual, Augmented and Alternate Realities.” Society for Utopian Studies Annual Conference, Charleston, SC, 16 November 2013. Chaired Conference Panel.
- “CCCC is a Reunion: Discover Your Roots.” Conference on College Composition and Communication Annual Convention, Las Vegas, NV, 14 March 2013. 14-16 March 2013. Table Installation (with Sondra Perl, Benjamin Miller, and Amanda Licastro) for the Writing Studies Tree (writingstudies.org).
- “Disciplinary Data on Display: Visualizing Keywords in CompPile, Dissertations, and the Writing Studies Tree.” Session Chair. Conference on College Composition and Communication Annual Convention, Las Vegas, NV, 15 March 2013. Chaired Conference Panel.
- “Science Fiction 2.” Session Chair. Society for Utopian Studies Annual Conference, Toronto, Ontario, 6 October 2012. Chaired Conference Panel.

Patrick Corbett

Peer-reviewed chapter in edited book:

- Corbett, P., et al. (2013). Understanding nextGen students' information search habits: A usability perspective. In R. McClure & J. Purdy (Eds.), *The New Digital Scholar: Exploring and Enriching the Research and Writing Practices of NextGen Students*. American Association of Information and Science Technology.

Refereeing for a journal/proceedings:

- He referees information literacy and technology submissions for *Teaching English in the Two Year College*.

Anna H.-J. Do

Book:

- Do, Anna H.-J. *Building Bridges: A Thematic Approach to College Reading and Writing*, Dubuque: Kendall Hunt, 2013.

Journal article:

- Do, A.H.-J. Enhancing effective reading methods by employing reading theories and research tools. *Idiom*, 2012. 42(2), 24-25. Watertown, NY: Benjamin Printing.

Matt Gold

Book Chapters:

- "Against Learning Management Systems." *Hacking the Academy*, ed. Dan Cohen and Tom Scheinfeldt. Ann Arbor: University of Michigan Press, 2013.
- "Looking for Whitman: A Multi-Campus Experiment in Digital Pedagogy." *Digital Humanities Pedagogy: Practices, Principles, and Politics*, ed. Brett D. Hirsch. Cambridge: Open Book Publishers, 2012.

Grants:

- Co-Principal Investigator, with Provost Chase Robinson and Professor Jessie Daniels, "JustPublics@365: Reimagining Scholarly Communication for the Public Good." \$550,000, Ford Foundation, 2013-2014.
<http://justpublics365.commonsgc.cuny.edu/>.

Invited Talks:

- “Book House: Digital Humanities Publishing as Lived Space.” “alt.pub.edu: Emerging Options for Scholarly Publishing.” Committee on Institutional Cooperation Center for Library Initiatives Annual Conference. Ohio State University. Columbus, OH. May 22-23, 2013.
- “Teaching to the Network: Digital Humanities and Public Pedagogy.” Fordham University. New York, NY. May 1, 2013.
- “Beyond the Book: Scholarly Communication in the Networked University.” University of Houston. Houston, TX. April 15, 2013.
- “Reading and Writing at Scale: Digital Humanities and the Future of Scholarly Communication.” Ph.D. Program in English, Graduate Center, CUNY. New York, NY. April 12, 2013.
- “Building Open Scholarly Communications With the Commons in a Box,” part of the “Innovations and Initiatives in Digital Humanities” panel at “Digital Humanities and the Transformation of Scholarship: A SUNY Conversations in the Disciplines Conference.” Suffolk Community College, Brentwood, NY. April 5, 2013.
- “Digital Humanities: Prospects for Research and Teaching.” College of Arts & Sciences Dean’s Lecture Series. University of San Francisco. San Francisco, CA. February 7, 2013.
- Closing Keynote. 2012 NFAIS Humanities Roundtable XI: Focus on the Library. National Federation of Advanced Information Services (NFAIS), New York, NY. October 1, 2012. <http://www.nfaais.org/page/370-2012-nfaais-humanities-roundtable>
- “Defaulting to Open.” Adjunct Institute, Center for Excellence in Teaching, Fashion Institute of Technology. June 5, 2012.

Conference Presentations:

- “Debates in the Digital Humanities” (Poster Session). 2013 Digital Humanities Conference. University of Nebraska. Lincoln, NE. July 16-19, 2013.
- Digital Pedagogy Lightning Talks (Session Organizer). “Melville and Whitman in Washington: The Civil War Years and After.” The Melville Society. Washington, D.C. June 4-7, 2013.
- “Beyond the PDF: Experiments in Open-Access Scholarly Publishing.” Annual Convention of the Modern Language Association. Boston, MA. January 3-6, 2013.
- “Social Media and Scholarship: The State of Middle-State Publishing.” Annual Convention of the Modern Language Association. Boston, MA. January 3-6, 2013.
- Panelist, “Digital Humanities Caucus: What Can the Digital Humanities Bring to American Studies, and Vice Versa?” American Studies Association Conference. San Juan, Puerto Rico. November 15-18, 2012.

Carole K. Harris

Peer-Reviewed Articles:

- “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.
- “James Baldwin, Flannery O'Connor, and the Ethics of Anguish.” *Hunger Mountain: VCFA (Vermont College of Fine Arts) Journal of the Arts*. Special issue on “A Tribute to James Baldwin.” Web edition. 5 December 2012. <http://www.hungermtn.org/james-baldwin-flannery-oconnor-and-the-ethics-of-anguish>

Articles:

- “Viewpoint: End Course Inequality at City Tech.” Written in collaboration with Professors Bob Cermele, Costas Panayotakis, and Benjamin Shepard. *Clarion*, Sept. 2012. Online version: <http://psc-cuny.org/clarion/september-2012/viewpoint-end-course-inequality-city-tech>
- “The Negative Impact of City Tech’s Teaching Load on Scholarship and Teaching.” Opening Statement and Testimonial, Labor/Management Meeting with NYCCT President Russell Hotzler, PSC President Barbara Bowen, and Executive Committee of PSC NYCCT Chapter, May 30, 2012. Posted 3 July 2013: <http://psc-cuny.org/course-load-testimonials>

Conference Papers:

- “Talking Inside a Community: Dialogic Imagination and the Presence of God in Flannery O’Connor’s ‘A Temple of the Holy Ghost’ and James Joyce’s ‘The Sisters.’” Presented at the Louisville Conference on Literature and Culture Since 1900, University of Louisville, Feb. 22, 2013.
- “A Crack in Perspective: Maryat Lee Muses on Flannery O’Connor.” Presented at the Louisville Conference on Literature and Culture Since 1900, University of Louisville, Feb. 23, 2013.
- “Mules Do Fly: Flannery O’Connor and James Baldwin in Georgia.” Presented at the Louisville Conference on Literature and Culture Since 1900, University of Louisville, Feb. 24, 2012.

Honors, Prizes, and Awards:

- Fellowship Leave, NYCCT, 2012–2013.
- 38th Northeast Regional Summer School for Union Women, held at Cornell University, July 20-25, 2103. Selected to attend by Professional Staff Congress, CUNY.

Grant Activity:

- PSC–CUNY-44 Research Award, University Committee on Research Awards, City University of New York (B-Level), July 1, 2013-June 30, 2014.
- PSC–CUNY-42 Research Award, University Committee on Research Awards, City University of New York (B-Level), July 1, 2011-June 30, 2012.

Caroline Hellman

Journal Article:

- "A Walker in the City: Lee's Native Speaker, Lethem's Motherless Brooklyn, and Whitman's Cartographic Legacy" *Studies in American Culture*.

Book Collection:

- "‘Shut Not Your Doors to Me, Proud Libraries!’: The Repatriation of Edith Wharton's Library (forthcoming in a collection on Literary Tourism)

Invited Talk:

- Museum of the Gilded Age, Chicago. September 19 & 20, 2012. "The Gilded Progressive: Edith Wharton's Literary and Autobiographical Designs.

Invited Lecture:

- National Endowment for the Humanities "Along the Shore" Summer Institute. June 6 & 20, 2012. "A Walker in the City: Jonathan Lethem's Motherless Brooklyn and Walt Whitman's Legacy."

Conference Presentation:

- "Another Country: Exile at Home in Edwidge Danticat's Brother, I'm Dying." Society for the Study of American Women Writers panel. American Literature Association Conference. Boston, MA. May 22-26, 2013.

National Competition:

- 2012 White House Fellowship Regional Finalist

PSC-CUNY Grant:

- Awarded for Book Project, *Constellations: Visions and Revisions in American Literature*.

Robert Leston

Peer Reviewed Essays:

- “Unhinged: Kairos and the Invention of the Untimely” *Atlantic Journal of Communication*. 21.1 (2013) 29-50.
- “Anomalous Composition: A Horror in Video” *Kairos: A Journal of Rhetoric, Technology, and Pedagogy*. 17.1 (Spring 2013) Video Essay.
<http://kairos.technorhetoric.net/17.2/index.html>
- Two peer reviewed articles forthcoming in AY 2013-2014.

Presentations:

- Invited Speaker. “Eco-Cities in China: Four Case Studies from the *Journal of Urban Technology*.” China and the World in the Coming Decade. 5th World Forum on China Studies. Fengqi Zhao, Chair, Institute of China Studies. Shanghai Academy of Social Sciences. Shanghai, China. March 23-24, 2013. International
- “Video Methodologies: Researching on the Tube” 64th Annual Convention of the Conference on College Composition and Communication. Las Vegas, NV. March 13-16, 2013. National.
- “A Table without Organs” 128th Modern Language Association Convention. Boston, MA. January 3-6, 2013. Video Essay. Available:
<https://vimeo.com/57008251>. International.

Jane Mushabac

Creative Writing:

- “The Kitchen in New Jersey, 1958,” Shalach Manot [Jane Mushabac], short story. *Midstream* LVIII.3 (Summer 2012): 41-44.
- “Pasha: Pensamientos de David Aroughetti,” Shalach Manot [Jane Mushabac], short story as originally written in Judeo-Spanish. *Sephardic Horizons*, online journal 1.4 (Fall 2011)
<<http://www.sephardichorizons.org/Volume1/Issue4/Pasha.html>>. (English translation by S. Manot [Jane Mushabac] *Midstream* LI.4 [Summer 2005]: 41-44.)
- “Canakkale, 1911,” Shalach Manot [Jane Mushabac], short story. *Conversations* 11 (Fall 2011): 138-141.
- “Loomings: Jane Mushabac and Jane Carver, Story and Song.” Hunter College Open Studios at the MFA Building, New York, 26 April and 27 April 2013. Invited reading.

- “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.
- *Pasha: Ruminations of David Aroughetti*, podcast. Jane Mushabac performs her short story in her English translation. Oud accompaniment by Geoffrey Clarfield. October 2012. MP3 file.
- “Something You Should Not Do,” short story. “Telling Our Stories: Love, and Other Storms: Student and Faculty Writing and Performance,” NYCCT, Atrium Amphitheatre. 12 Dec. 2012.
- “A Glimpse into the Turkish Jewish World: Sephardic Writer Jane Mushabac Tells Tales.” The City Congregation for Humanistic Judaism, SAJ 15 West 86th Street, New York City, 29 April 2012. Invited reading.
- “Joya Gormezano” (see above). Cabaret Conference, Yale University School of Drama, 24 July 2011.
- 2013 Literary Arts Festival Fiction Contest Award for Faculty, NYCCT, for “Inecik, 1916.”
- 2013 Literary Arts Festival Poetry Contest Award for Faculty, NYCCT, for “The Night Before the Baby Shower.”
- 2012 Leapfrog Press Fiction Contest for manuscripts of novels and short story collections, Honorable Mention, for *The Hundred Year Old Man*, placing it in top 3% of 424 submissions in adult fiction category. Submissions from fifteen countries. <<http://www.leapfrogpress.com/contest.htm>>
- 2011 Literary Arts Festival Faculty Creative Writing Contest, NYCCT, 2nd place for “The Kitchen in New Jersey, 1958.”

Essays:

- “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.
- “Seven Songs,” essay. *Conversations Spec. issue on the Sephardic Experience*, 13 (Spring 2012): 140-149.

- “*City Tech Writer: The Backstory*,” essay. *Nucleus: A Faculty Commons Quarterly*, Spec. issue on Revision in Writing, 4.2 (December 2012):10.
- “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 lecture.

Presentations:

- “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.
- “Characters in Extremis from English 1141, Creative Writing.” 10th Annual Poster Session of Faculty and Student Research, NYCCT. 15 Nov. 2012.
- “Writers Respond to Writers, Poems from English 1141: Creative Writing.” 9th Annual Poster Session of Faculty and Student Research, NYCCT. 17 Nov. 2011.

Television Interview:

- Interviewed as New York City historian on “Flash Mobs Let Anyone Become A Surprise Performer.” NY1 Interview of Jane Mushabac by Stephanie Simon. 14 Nov. 2011. Video and text <<http://www.ny1.com/content/150703/flash-mobs-let-anyone-become-a-surprise-performer>>.

Other Work:

- Mentor of undergraduate Michael Youmans in my ENG 1101 Composition course. His short story, “The Hands of Time,” written for the course, won 3rd prize (\$250) in the 2013 City University of New York Labor Arts “Making Work Visible” Contest.
- Mentor of undergraduate Kimberly La Force in my ENG 1141 Creative Writing course. Her play, *A Marriage Proposal*, written for the course, won 2nd prize in the 2011 Literary Arts Festival Lou Rivers Drama Award, was performed (Jane Mushabac, dir.) at the 2011 Literary Arts Festival, and appeared in *The Best American Short Plays 2010-2011*, ed. William W. Demastes (New York: Applause Theatre & Cinema Books, 2012). 245-257.
- Discussion Moderator, Nobel Laureate Roald Hoffman. Jewish Faculty and Staff Association Distinguished Speaker Series, NYCCT, Atrium Amphitheatre, 8 Nov. 2012.

- “Civil War Stories,” podcast, National Endowment for the Humanities funded 1-hour audio guide to the writings of Walt Whitman and the New-York Historical Society Civil War holdings in the Henry Luce III Center for the Study of American Culture. “Making Objects Speak” website series of 12 podcasts. 21 November 2011 to current, <http://jjcweb.jjay.cuny.edu/history/making_objects_speak/index.php/civil-war-stories/>.

Patricia Rudden

Journal Article:

- Rudden, Patricia Spence. ‘Stacking the Wax: The Structure of Laura Nyro’s Studio Albums’, in *Singing for Themselves: Essays on Women in Popular Music*, edited by Patricia Spence Rudden (Newcastle: Cambridge Scholars Publishing, 2007), pp. 25-38.

was cited in this dissertation:

Berköz, Levent Donat (2012). A gendered musicological study of the work of four leading female singer-songwriters: Laura Nyro, Joni Mitchell, Kate Bush, and Tori Amos. (Unpublished Doctoral thesis, City University London)

Annette Saddik

- “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.
- “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, 2013.
- “Champion of the Fugitive Kind.” Invited programme essay for the London production of *Sweet Bird of Youth* at the Old Vic, starring Kim Cattrall.
- “‘The Muted Warning of a River’: The Clash between Nature and Culture in Kingdom of Earth.” Invited essay for the programme of Artscape’s production of Tennessee Williams’ *Kingdom of Earth* (opened December 2012). Cape Town, South Africa.

- “‘Drowned in Rabelaisian Laughter’: Germans as Grotesque Comic Figures in the Plays of Tennessee Williams.” *Modern Drama* 55.3 (Fall 2012).

Laura Westengard

- “Vampire Fantasy: Terrorism, Trauma, and the Undead in Post-9/11 Popular Culture.” Pacific and Ancient Modern Language Association, San Diego, 2013.
- “Virtually in the Closet: Coming Out in the Online Rhetoric and Composition Classroom.” Northeast Modern Language Association, Tufts University, 2013.