# Faculty Scholarship 2010-2011

**New York City College of Technology**  
**School of Arts and Sciences**  
**Faculty Scholarship Newsletter 2010-2011**

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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 2010 through August 2011.

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

Marta Effinger-Crichlow:

Publication:

Research:

Grants:
Professor Effinger-Crichlow received a awarded $500 CityTech Foundation Grant, which enabled her to take her Black Theater students to see Lynn Nottage’s By the Way, Meet Vera Stark at the Second Stage Theatre - Off-Broadway in Spring 2011.

Professor Effinger-Crichlow helped to organize the Black Theatre Network NE Council’s “An Evening with Veteran Broadway Press Agent Irene Gandy.” The event was held in the American Negro Theatre Room at the Schomburg Center for Research in Black Culture in December 2010.

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She also received CityTech’s Seven Year Service Award in Spring 2011.

Karl Botchway:


Karl Botchway and Jamee Moudud, Africa After Neo-Liberalism: Prospects for a New Developmental State, Comparative Studies of South Asia, Africa and the Middle East (Forthcoming)


2011 PSC-CUNY, Research Grant TRADA-42-113: State Capacity and Development in Africa: Public
Sector Reforms in Ghana

Jesse C. McCarroll:

Dr. Jesse C. McCarroll was given the "Lifetime Achieve Award" at the National Association for the Study and Performance of African American Music (NASPAAM) Conference. It was held March 23-26, 2011 in Houston, Texas. He is President-elect of this organization.

During the summer of 2011, Dr. Jesse C. McCarroll gave a lecture at Tshwane University of Technology, Johannesburg, South Africa.

He then traveled to Tanzania and was a session presenter at an Ethnomusicology Symposium. It was held on the campus of the University of Dar es Salaam.

Following the Symposium, Dr. McCarroll attended the Pan African Society for Musical Arts Education (PASMAE) Conference at the University of Botswana in the city of Gaborone, Botswana. He is the National Representative of the United States to PASMAE.

Dr. McCarroll returned to South Africa and gave a lecture at the University of Pretoria. At all three events, Dr. McCarroll's topic was "Blues of the United States".

Steve Panford:

The Developmental Process and Programs:
Notes from the Field

My year long sabbatical in 2010/2011 was to facilitate a review of bibliographies, research and write a manuscript on the developmental process and programs in Ghana: A case study for Africa.

Lots of books, essays on developmental theorists and programs were reviewed. According to some of these theorists Eric Reinert, in “How Rich Countries Got Rich and Why Poor Nations Stay Poor”; Rene Dumont-“False Start in Africa”, Ha Joon Chang-“Bad Samaritans’, Lee Kwan Yew-“From Third to First” disagree vehemently with theorists like Jeffrey Sachs and Amartya Sen. Sachs and Sen’s insistence that democracy leads to development is rejected by the above theorists. They say is the opposite as manifested by the developments of South Korea, Taiwan, Singapore and China, to name a few.

They in essence reject the developmental projects and programs suggested by United Nations and Western experts. The quest of my work is to do a comparative analysis of developmental programs and theories in some chosen countries to draw general principles as advanced by Weber in “The Protestant Ethic and The Spirit of Capitalism”.

Field work took me to Ghana and England to do archival work where I saw some interesting and relevant materials. During the Sabbatical I took time to rest in England, Ghana, and Belgium. The library in downtown Staten Island became a base to write before the trip overseas and back. The ghosts in the library could testify to my countless hours there. In Ghana, I did assessment computer needs of schools and I have been able to ship twenty five computers donated by City Tech through the English department.

The manuscript is coming along and will give a full accounting of the project at a future date.
Tshombe R. Walker:

Awards:
Certificate of Scholarly Advancement for participation in the 21st Annual Cheikh Anta Diop International Conference, October 2010

Presentations and Panel Discussions:


“Hip-Hop, Politics and Youth Empowerment.” Presented at Black Solidarity Day Event at City Tech. (November 2010)

“The Trickster Ethic and Black Agency.” Presented at the 21st annual Cheikh Anta Diop International Conference. (October 2010)

“Harriet Tubman and the Kalulu Ethic.” Presented at City Tech 8th Annual Poster Session. (October 2010)
With several recent faculty hires in our department, activities on research and development have again increased this year. Professors Laina Karthikeyan, Armando Solis and Liana Tsenova contributed a poster at the Ninth Annual Poster Session for Faculty and Students at New York City College of Technology. Professors Laina Karthikeyan and Liana Tsenova was part of a team that helped organize the fifth City Tech Annual Research Conference. Professors Olufemi Sodeinde, Liana Tsenova, Selwyn A. Williams and Andleeb Zameer made oral presentations at the 5th Citytech Faculty Research Conference in 2011. Professor Laina Karthikeyan also chaired the Biology section of the conference. During fall 2011 professors Sanjoy Chakraborty, Niloufar Haque, Laina Karthikeyan, Marie C. Montes Matias, Olufemi Sodeinde and Liana Tsenova along with their students presented at the Emerging Scholars and Honors program poster presentations.

**Individual Faculty Research Activity**

**Ralph Alcendor:**

Professor Ralph Alcendor was the Co-PI of a Perkins-VTEA proposal for 2011-2012. He was awarded a PSC-CUNY Research Grant ($3500) for 2010-2011.

**Issac Barjis:**

**Conference presentation -published as proceedings:**


**Sanjoy Chakrobourty:**

Sanjoy Chakraborty was the C0-PI of a NSF SENCER grant (2010).

**Publications:**


**Majeedul Chowdhury:**

**Publications:**


Laina Karthikeyan:

Laina Karthikeyan was awarded a PSC-CUNY Research Grant for 2010-2011 ($6000). She was also the PI of a NSF SENCER grant (2010)-post implementation award ($3000). She was also awarded a GRTI grant. Professor Karthikeyan also received funds from PDAC to present at the 110th Annual Meeting of the American Society for Microbiology in San Diego, CA (2010).

- Professor Karthikeyan also reviewed the abstracts of the Annual Biomedical Research Conference for Minority Students on September 20, 2010.
- Professor Karthikeyan was selected to be in the registry of “Outstanding American Professionals”.

Publications:


Conference presentation- published as proceedings:

- Investigations into the mechanism(s) of plant metabolites and comestible juices on the loss of rotavirus infectivity. F. S. Ozen1, S. M. Lipson1,*, D. Trotman2, R. E. Gordon3, S. Malmoud1, and L. Karthikeyan2. St. Francis College, Brooklyn Heights, NY1, New York City Col.


Book chapters:

Presentations:
- “Optimal Health” at the “International Health, Wellness and Society Conference in January 20-22, 2011 at the University of California, Berkeley California.

Walied Samarrai:

Conference presentation-published as proceedings:

Publications:

Publications:
Olufemi Sodeinde:

Professor Olufemi Sodeinde was the PI of a PSC-CUNY Research Grant and awarded ($3500) for 2010-2011.

Armando Solis:

Armando Solis was awarded the Diversity Project Development Fund grant, CUNY (Spring 2011). “Increasing Student Success in Bioinformatics Through Inquiry-Based Modules.” $2000. William Stewart Travel Award (March 2011), application for travel funding supplement for RECOMB 2011 conference travel.

- He was awarded a Fellowship to attend week-long course on BioMedical Informatics at Marine Biology Laboratory, Woods Hole, MA, sponsored by the National Library of Medicine of the NIH (September 2011).

Publications:


Conference presentation- published as proceedings:


Panel Presentation:


Professor Armando Solis was invited as NSF grant reviewer for Division of Chemistry, in the section on Chemical Theory, Models and Computational Methods (February 2011).

- Invited as manuscript reviewer for peer-reviewed journal *Proteins: Structure, Function, and Bioinformatics* (four manuscripts: June 2010, November 2010, May 2011, September 2011).
- Invited as manuscript reviewer for peer-reviewed journal *Bioinformatics* (one manuscript: September 2011).

Liana Tsenova:

Liana Tsenova was the Co-PI of a Perkin VTEA grant (2011-2012).
Publications:


Conference presentation- published as proceedings:

- An Interdisciplinary Study on Nosocomial Infections and our Community, SENCER Regional Conference, College of SI, October 2nd, 2010.
- Multi Drug Resistance and Nosocomial Infections in Brooklyn, NY" 2010 Annual Biomedical Research Conference for Minority Students (ABRCMS), Charlotte, NC, Nov 13 2010 and City Tech Eight Annual Poster session of Faculty and Student Research, Nov 18, 2010, NYCCT, CUNY.
- Water Quality Analysis of Hudson River and Gowanus Canal. City Tech Eighth Annual Poster session of Faculty and Student Research, Nov 18, 2010, NYCCT, CUNY.
- Connecting Biology and Mathematics - Two Research Projects at City Tech. 5th Annual City Tech Research Conference. April 1, 2011, Brooklyn, NY.
- Phosphodiesterase-4 Inhibition Improved INH Induced *M. tuberculosis* Killing and Reduces Lung Pathology in Rabbits with Pulmonary TB. Gordon Research Conference: Tuberculosis Drug Development, 3-8 July, 2011, Lucca, Italy
- Citytech’s Commitment to Integrate Civic Engagement Pedagogies in the STEM Disciplines. SENCER Summer Institute Poster Presentations, July 22, 2011, Indianapolis, Indiana.

Professor Tsenova reviewed manuscripts for Journal of *Infection and Immunity*.

Tatiana Voza:

Tatiana Voza was the Co-PI of a Perkins VTEA Grant 2011-2012. She was awarded a PSC-CUNY Research Grant for 2010-2011.
Publications:


Professor Voza reviewed a manuscript submitted for publication in the Journal of Experimental Parasitology (January 2011).

Selwyn Williams:

Professor Selwyn Williams was the PI of American Society for Cell Biology Minorities Affairs Committee (ASCB-MAC) 2010 Linkage Fellows Award. Amount: $10,000.

Book Chapter:


Andleeb Zameer:

Publications:

The 2010-2011 academic year proved to be a successful one for the members of the English department. Among the impressive accomplishments compiled by faculty members were new books of poems by Nina Bannett (*Lithium Witness*) and Monique Ferrell (*Unsteady*), Peace Corps stories by Aaron Barlow (*One Hand Does Not Catch a Buffalo: 50 Years of Amazing Peace Corps Stories*), a literary/arts journal by Kate Falvey (*2 Bridges Review*), a textbook by Lubie Grujicic-Alatriste (*Urban Reader for College Writers*) and books on American literature by Caroline Hellman (*Domesticity and Design in American Women's Lives and Literature*) and Mark Noonan (*Reading the Century Illustrated Monthly Magazine: American Literature and Culture, 1870-1893*). Many members of the department contributed articles to peer-reviewed journals, book chapters to peer-edited collections, and creative work to online and print publications. Faculty members were also active on the conference presentations and grants.

**Individual Faculty Research Activity**

**Nina Bannett:**


**Aaron Barlow:**


**Rebecca Devers:**


**Anna H.-J. Do:**


**Kate Falvey:**


Monique Ferrell:


Matt Gold:
Publications:


Winner of the 2010 Computers and Composition Distinguished Book Award

Invited Talks:


**Conference Presentations:**


“Building Communities on the CUNY Academic Commons” (session organizer and chair) 9th Annual CUNY IT Conference: The Tried and the New. CUNY Graduate Center, New York, NY. December 10, 2010.


**Lubie Grujicic-Alatriste:**


**George Guida:**

Grants and Awards:

National Endowment for the Arts Summer Stipend Nomination for *Virtue at the Coffee House: Poetry and Performance in America*, 2011 (for 2012 Award)

Honorable Mention (Runner-Up), Vella Poetry Prize, Paper Nautilus Magazine, for “Assessment,” 2011

*Poets and Writers* Grant for New York City College of Technology Literary Arts Festival Funding (for Sapphire), 2011

PSC-CUNY Research Award (Creative Writing), for "What Follows: A Novel," 2010-2011.
Publications:

(Creative Writing)


"Italian Sunsets" (personal essay), Humorous Happenings While Traveling in Italy. Rochester: Winston Press, 2011: 29-34.


(Criticism)


Readings and Presentations:


Featured Author, "Writers Read"; Presenter, "Diane di Prima's Cosmic Joke"; Co-Chair, "Roundtable on Membership Development, The American Italian Historical Association Conference, New York, New York, November 2010.

Featured Poet, Reading from Avanti-Popolo: Italian American Writers Sail Beyond Columbus, The John D. Calandra Institute, New York, New York, October 2010.

Featured Author, Summer Gazebo Readings, Oceanside, New York, August 2010.

Carole K. Harris:


Grant Activity:

PSC–CUNY–42 Research Award, University Committee on Research Awards, City University of New York (B-Level), July 1, 2011-June 30, 2012, $6,000.

Creative Production:


Conference Papers:


“My Father’s Girls,” personal essay. (“Authors Reading Poetry and Fiction.”) Presented at the Louisville Conference on Literature and Culture since 1900, University of Louisville, Feb. 26, 2011.

Prizes and Awards:

Second place, Literary Arts Festival, faculty and staff division, for short story “My Father’s Girls.” April 12, 2011.

Caroline Hellman:

Alan Huffman:

Lecture:


Reneta Lansiquot:


Robert Leston:
Invited Speaker:


Conference Presentations:


Jane Mushabac:


“Pasha: Pensamientos de David Aroughetti,” my short story in Judeo-Spanish [my English translation of this work appeared 2005 in Midstream]. Sephardic Horizons, online journal, 1.4 (Summer/Fall, 2011).


---. Palm Beach State College, Eissey Campus Theatre, Palm Beach Gardens, FL. Dec. 3, 2010.

Invited Lectures (Featured Speaker):


Presentations:


“‘Good News’ Poems from English 1141, Creative Writing,” poster presentation. NYCCT Faculty and Student Research. Nov. 18, 2010.

**Mary Nilles:**

“Moving Home: Luxembourgers in America-A Photo Exhibition” August 6 – October 31, 2010 Luxembourger American Cultural Center


**Mark Noonan:**


**Johannah Rodgers:**


**Annette Saddik:**

_Essays:_


Invited Talks and Conference Presentations:

August 28, 2011: Westport Playhouse. Westport, CT. Production of Tennessee Williams’ Suddenly Last Summer (directed by David Kennedy). I was invited to be the featured speaker for a post-show discussion [postponed for Hurricane Irene]


June 25, 2011: Tennessee Williams in Europe: A Centenary Celebration 1911-2011. Nancy, France. “‘Drowned in Rabelaisian Laughter’: Germans as Grotesque Comic Figures in the Plays of Tennessee Williams.” I was invited to give a paper at this international conference celebrating Williams’ centenary at the University of Nancy.

April 18, 2011: Panel Discussion on the Late Plays of Tennessee Williams, Columbia University, New York, NY. I was invited to discuss the manuscripts of Williams’ late plays that are housed in Butler Library of Columbia University, and my role in editing these plays for publication.

March 26, 2011: Tennessee Williams New Orleans/Literary Festival. New Orleans, LA. “‘I didn’t go to the moon, I went much further’”: A Look at The Glass Menagerie.” Invited panel discussion.

March 24-25, 2011: Georgetown University Tennessee Williams Centenary Festival. Washington, D.C. Resident Festival Scholar and dramaturge. I was invited to give a talk on Williams and provide dramaturgy for the brochure on productions of several Williams plays that took place during Georgetown’s celebration of his centenary.

January 22nd, 2011: "The Kindness of Strangeness: Rethinking Tennessee Williams @100, a series of panel discussions to commemorate the 100th birthday of Tennessee Williams at the "Museum of Art and Design, New York, NY. I was invited to be part of a program on “Tennessee Williams’ Queer Representations of Sex and Gender" in conjunction with the production of Williams’ late play, Green Eyes.

Rebecca Shapiro:

Our faculty have made their presence felt both around and beyond the city, but certainly also at Citytech. Our resident poet, Carmen Valle, was honored and presented at “Latin American Poets in the USA”, at the Association of Writers and Writing Programs, annual conference and book fair, in Fall 2010, in Denver, Colorado. Susan Beningson continues to function as Advisor, at the Brooklyn Museum of Art, Asian Art Department, Chinese Textile Survey and Collections Assessment (Fall 2010-ongoing, Fall 2011). She was also invited to be Commentator-at-large at the Lo Archive Workshop on Buddhist Cave-Temples at Dunhuang (China), sponsored by the Tang Center for East Asian Art, East Asian Studies Program, and Princeton University Art Museum, at Princeton University, April 14-16, 2011. At Citytech, she helped organize the “Asia in New York: Festival of Asian Diversity” (March 15-17, 2011), which included: Film Screening and Panel, 3/15/11; Hip Hop Concert and Panel, 3/16; Asian American Writers Roundtable, 3/17. She was also Moderator for the Asian American Writers Roundtable, 3/17/11. The festival attracted over 200 students for the three events and was supported by a CUNY Diversity Grant.

More activity at Citytech----Victoria Lichterman created and conducted Presentation Skills Workshop(2011), at the request of the our Dental Hygiene Department. An ADGA all-departmental workshop, Growing Communication Skills: Decreasing Anxiety Through Preparation and Practice, was also conducted by Prof. Lichterman, with assistance from Prof. Doug Davis. Prof. Lichterman also wrote and performed original material, “Food Groupies,” for Sarah Standing’s Spring 2011 show.

Cathy Santore was awarded a PSC/CUNY 2011-2012 grant for "Trademarks", an iconographical study of a body of Venetian painting of anonymous women to determine the status of the sitter. And finally, for the 6th year running, and with assistance from Justin Davis since 2009, Denise Scannell has run our Annual Speech Competition, this time in December ’10. Each semester the Humanities Department offers approximately 24 sections of SPE 1330, Effective Speaking, enrolling an average of 600 students in this critical area. The Effective Speaking Competition is the highlight of the entire semester's coursework for both students and faculty, rewarding excellence, inspiring achievement, raising awareness of the value of effective speaking skills and of speaking ethically, increasing the prestige associated with acquiring these skills, providing a forum for inter-disciplinary activity among faculty, and creating a visible connection between the work of the classroom and real world accomplishment.

Individual Faculty Research Activity

Susan Beningson:
Presentation:
“Ink as Experiment in Contemporary Chinese Art”, City College of New York (CCNY)/CUNY, May 4, 2011.

Journal article:

Journal article:
Sandra Cheng:
Conference presentation:

Ann Delilkan:
Book chapter:

Mary Edwards:
Journal article:

Victoria Lichterman:
Working with New York City Theatre Breaking Barriers (Formerly Theatre By the Blind). Professor Lichterman created an open rehearsal for Introduction to the Theatre and Performance Workshops students for “Merchant of Venice,” “Cat on a Hot Tin Roof,” “Sad Hotel,” and “Sweet Bird of Youth.” The presentation was followed by a Q & A. March 24, 2011.

Cathy Santore:
Journal article:

Denise Scannell:
Journal article:

Conference presentation:
"Performing a Beautiful Figure: An Intercultural Exploration of the Italian Code Bella Figura and Italian American Guido Culture." National Communication Association Conference, San Francisco, CA. November 2010.

Sarah Standing:
Conference presentation:

Invited speaker:

Performance:
Shauna Vey:
Conference presentation:

Carmen Valle:
Book of poems:
Activities on research and development have again increased this year in our department. Twelve faculty members contributed a poster at the Eight Annual Poster Session for Faculty and Students: Professors Marianna Bonanome, Zhao Chen, Andrew Douglas, Samar ElHitti, Laura Ghezzi, Joel Greenstein, Delaram Kahrobaei (2 posters in collaboration with students), Gjergj Klimi, Michael Munn, Hans Schoutens, Huseyin Yuce, and Lin Zhou.

Professor Hans Schoutens chaired the organizing committee of the Fifth Annual City Tech Research Conference. Professors Bonanome, ElHitti, Klimi and Munn presented at the conference and many faculty members participated and helped in the organization.

This year, once more, the joint Math/Physics Colloquium was well attended. We had two excellent outside speakers, Professor Michael Dorff (Brigham Young University) and Professor Rosenberger (Technischen Universität Dortmund, Germany).

Professors Kahrobaei and Schoutens continued the successful Mathematics Seminar Series. We had a very prestigious speaker, Professor Alfredo Posamentier (Dean of Education at Mercy College and former Distinguished Lecturer at City Tech), as well as two math faculty talks by Professors Johanna Ellner and Boyan Kostadinov.

Professors Douglas, Gitman and Kahrobaei continued the C-LAC (Center for Logic, Algebra, and Computation) Seminar Series. Professor Enric Ventura (Universitat Politècnica de Catalunya) gave a talk and several faculty members and students attended.

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). 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. Two students, mentored by Professor Satyanand Singh and four students, mentored by Professor Kahrobaei presented at the Eighth Annual City Tech Student Research Conference. Several faculty members served in the organizing committee of the conference, chaired by Professor Hans Schoutens.

**Individual Faculty Research Activity**

**Henry Africk:**
Nadia Benakli:

Marianna Bonanome:
Dr. Bonanome was awarded an OAA CUNY grant in collaboration with Professor ElHitti in the Spring of 2011.

Professor Bonanome published the following papers:

Professor Bonanome presented the following talks:
- “Quantum Algorithms and Invariant Subgroups” at the Annual City Tech Research Conference on April 1, 2011.
- “Quantum Algorithms and Invariant Subgroups” at the New York Algebra Seminar at the CUNY Graduate Center on March 25, 2011.

Professor Bonanome attended the AMS Joint Mathematics Meeting in New Orleans, LA on January 6, 2011 where she presented her poster “Quantum Algorithms and Invariant Subgroups” at the Project NExT/Young Mathematician’s Network Poster Session.

Zhao Chen:
Presented the paper “Matrix Computations” at the New York State Mathematics Association of Two-Year Colleges, October 23, 2010.

Andrew Douglas:
Dr. Douglas was awarded a PSC-CUNY Research Grant for 2010-2011 and a PSC-CUNY Grant for 2011/2012.

Professor Douglas published the following papers:
- “A classification of the embeddings of the Diamond Lie algebra into sl(3,C) and sp(4,C), and restrictions of irreducible modules Journal of Mathematical Physics, 52, 103507 (2011). (with W. Joseph and J. Repka).
- “Embedding of the Euclidean algebra e(3) into special linear algebra sl(4,C) and restriction of irreducible representations of sl(4,C)”, Journal of Mathematical Physics, 52, 013504 (2011) (with J. Repka).
Professor Douglas co-organized a special session in the Western Regional Meeting of the American Mathematical Society entitled “Lie algebra, algebraic transformation groups, and representation theory”, University of Nevada, Las Vegas, April 30-May 1, 2011 (with B. Van Steirteghem).


Professor Douglas co-organized the New York Algebra Colloquium and the CUNY Representation Theory Seminar. These are weekly seminars at the CUNY Graduate Seminar.

Professor Douglas has been a committee member of the Mathematics Panel for the Research Foundation of the City University of New York since 2008.

Professor Douglas was a visiting researcher at the Department of Mathematics, University of Toronto, Canada, for the month of June 2011. He was also a visiting researcher at the Department of Mathematics and Statistics, University of Saskatchewan, Canada, in July 2011.

Professor Douglas supervised the following undergraduate research students at NYCCT:


**Samar ElHitti**

Dr. ElHitti was awarded an NSF-AWM travel grant in Spring 2011 (declined for visa complications). She was also awarded an OAA CUNY grant in collaboration with Professor Bonanome in the Spring of 2011, and a PSC-CUNY Research grant as a principal investigator for 2010-2011.

Professor ElHitti presented the following talks:


Professor ElHitti presented a poster at the AMS Joint Math meeting, Project NExT/Young Mathematician’s Network Poster Session, New Orleans, LA. January 6, 2011.


Professor ElHitti refereed an article for the Journal of Algebra.

**Laura Ghezzi**

Dr. Ghezzi was awarded a PSC-CUNY Research grant as a principal investigator for 2010-2011.
Professor Ghezzi published the paper:

Professor Ghezzi presented the following talks:
- “The first Hilbert coefficient of parameter ideals relative to a module” at the Commutative Algebra and Algebraic Geometry Seminar at the CUNY Graduate Center, February 4, 2011.
- “Linear syzygies in minimal free resolutions of algebraic varieties” at the New York Algebra Colloquium at the CUNY Graduate Center, October 8, 2010.

Professor Ghezzi served as a referee for the Journal of Algebra and for the Proceedings of the American Mathematical Society.

**Victoria Gitman:**

Dr. Gitman was awarded a PSC-CUNY Research Grant. Professor Gitman published the following papers:

Professor Gitman presented the following talk:
- “A natural model of the multiverse axioms”, CUNY Logic Workshop, CUNY Graduate Center, New York, November 2010.

Professor Gitman refereed an article for the journal Topology and its Applications.

**Urmi Ghosh-Dastidar:**

Dr. Ghosh-Dastindar received MAA NREUP grant on Modeling Hudson River Species and k Class-0 Subgraphs, 2011 (PI – Eugene Fiorini - DIMACS, Rutgers University, Co-PI: Urmi Ghosh-Dastidar, NYCCT, CUNY).

Professor Ghosh-Dastidar published the following papers:
- “Bridging Pathways through Mentoring for Underrepresented Students in STEM, Conference Proceedings, 2011 Mentoring Conference, University of New Mexico, Albuquerque, NM (with Janet Liou-Mark).

Professor Ghosh-Dastidar was elected as a SENCER leadership fellow by the National Leadership Board of the National Center for Science and Civic Engagement; December 1, 2010-May 31, 2012.

Professor Ghosh-Dastidar was invited as a Visiting Faculty for the purpose of research on Graph Theory and Biology; Collaborator: Dr. Margaret Cozzens, Research Professor II of the Center for Discrete Mathematics and Theoretical Computer Science (DIMACS), Rutgers, The State University of NJ, January 1, 2011-August 31, 2011. Professor Ghosh-Dastidar was also invited as a short term visitor at
the National Institute of Mathematical and Biological Synthesis (NIMBioS) for the purpose of research on Study and Analysis of Transmission of Aquatic Pathogens. Collaborator: Dr. Suzanne Lenhart, Associate Director for Education, Outreach and Diversity of NIMBioS, February 2011, June 2011.

Ezra Halleck

Dr. Halleck published the following article:

- "Consider a Circular Cow", a teaching note to appear in the College Math Journal (MAA).

Professor Halleck supervised undergraduate research for Michael Walz and Andreas Makrigiannis.

Delaram Kahrobaei:

Dr. Kahrobaei was awarded an NSF Grant, National Science Foundation as PI at City Tech, Collaborative Project: Building Cyber security Capacity, DUE1128869 ($99,000) Total amount of $398000 Joint with NYU Polytechnic, PI at NYU Polytechnic: Nesar Mem (2011-2013). She was also awarded a NASA/GSFC Internal Research and Development (IRAD), Co-PI, Educational NASA Computational and Scientific Case Studies (enCOMPASS), PI at NASA: Nargess Memarsadeghi (2012). Professor Kahrobaei was awarded a PSC-CUNY research grant as PI for 2010-2011. She was awarded an NSF-AWM award, Association of Women in Mathematics, 2011. Moreover, Professor Kahrobaei was awarded an NSF-FORWARD to Professorship Grant, PI, George Washington University, University of Ottawa, Gallaudet University, 2011-2012.

Professor Kahrobaei published the following papers:


Professor Kahrobaei edited the following books:


Professor Kahrobaei published the following books:
Professor Kahrobaei conducted research visits at the University of Toronto, Canada, June 20 - July 22, 2011 (Host: J.Repka) and at the Institute of Computational and Experimental Mathematic (ICERM), Brown University, Mathematical aspects of P vs. NP workshop, August 1-August 5, 2011. She also was the invited participant of The Centre de Recherches Mathématiques (CRM) (Montreal, Canada) August 30-September 6, 2010.

Professor Kahrobaei was invited to give the following talks in international, national conferences and seminar:

- Zassenhaus Group Theory Conference, Towson University, Baltimore, May 27, 2011.
- “A decade of using non-commutative groups in cryptography”, University of Toronto, GANITA seminar, Interdisciplinary seminar whose main focus is on geometry, algebra, number theory and applications, July 12, 2011. Invited Talk.
- American Mathematical Society Conference, University of Utah, Salt Lake City, Special session on Geometric, Combinatorial, and Computational Group Theory (October 22-23 2011) Invited Talk.
- Growth Rate of an endomorphism of a group

Invited Talk.


- International workshop on Complexity and Group Based Cryptography, The Centre de Recherches Mathématiques (CRM) (Montreal, Canada) September 2nd, 2010 Invited Talk.

- Combinatorics, Groups, Algorithms, and Complexity Conference in honor of Babai’s 60th birthday (Ohio State University, Columbus, Ohio)(2010) Invited Talk.


- European Women in Mathematics Conference, Centre de Recerca Matematica, Barcelona, Spain (September 5-9, 2011) Contributed

- Women in Mathematics Seminar, University of Toronto, TBC Invited Talk.
Growth rate of an endomorphism of a group

University of Texas (Austin), Algebra, Number Theory, Combinatorics Seminar (2010) Aspects of Nonabelian Group Based Cryptography

Professor Kahrobaei supervised the following Doctoral students at the CUNY Graduate Center Mathematics Department:
- Bobby Koupparis (since 2010). Expected graduation 2012.
- Ha Lam (Since 2011)
- Lisa Bromberg (since 2011)
- Bianca Sosnovski (since 2010) (Second supervisor).

Professor Kahrobaei was also a PhD Thesis Examiner at the CUNY Graduate Center Computer Science Department for M.Chen, Monte Carlo RFID Library Location System (November, 2010).

Professor Kahrobaei supervised the following undergraduate research students:
- Kwasi James, Supported by Emerging Scholar Fellowship, Fall 2010-Spring 2011.
- Philip, Supported by NSF-AMP, Fall 2010-Spring 2011.
- Daniel Bui, Identity based cryptography, Supported by NSF-STEP grant, Summer 2011.
- Damon Cham, Supported by Emerging Scholar Fellowship, Fall 2011
- Kelsey Rauber, Supported by Emerging Scholar Fellowship, Fall 2011
- Yi Ming Yu, Supported by Emerging Scholar Fellowship, Fall 2011
- Steven Lora, Supported by Emerging Scholar Fellowship, Fall 2011
- Aboudra Doukour, Fall 2011
- Dennys Yambay, Supported by Emerging Scholar Fellowship, Fall 2011
- Amesha Husbands, Supported by City Tech Foundations, Summer 2010
- Jean Labatte, Zu En Mai, Supported by City Tech Foundations, Summer 2010
- Seyed Hamidreza Sadatian, Supported by City Tech Foundations, Summer 2010

Professor Kahrobaei organized the following:

Professor Kahrobaei also co-organized the following:
- Manhattan Group Theory Day III, CUNY Graduate Center, December 9, 2011 (with G.Baumslag, A.Miasnikov, V.Shpilrain and S.Ushakov).
- Co-organizer of AWM Anniversary Conference at ICERM: "40 Years and Counting: AWM's
Celebration of Women in Mathematics" Brown University (September 17-18, 2011) Special Session in Geometric Group Theory with Moira Chas


Professor Kahrobaei is a member of the Editorial Board of International Journal of Open Problems in Computer Science and Mathematics. She is also a Panel Member for the research projects of the PSC CUNY Grants in Computer Science and Mathematics, Research Foundation of City University of New York (2010, 2011).

Professor Kahrobaei was elected to serve in AMS and MAA committee of teaching assistants and part time instructors (February 2010-January 2013). She was also a mentor for the Association for Women in Mathematics Mentor Network (since Spring 2008) and a member of Graduate Council, CUNY Graduate Center, Computer Science Department representative, since 2010.

Janet Liou-Mark:

Published the following article:

Professor Liou-Mark also published the following books:

Professor Liou-Mark presented the following talks:

Satyanand Singh:


Hans Schoutens:

Dr. Schoutens was awarded PSC-CUNY grant #64466-00 42: The group scheme of an Artin algebra ($3,990).

Professor Schoutens published the following paper:

Professor Schoutens presented the following talks:
- "O-minimalism", Midwest Model Theory Meeting, Columbus, OH, May 21-23 2011.
- "How elementary is o-minimality?", OSU Logic Seminar, Columbus, OH, January 20, 2011.


Professor Schoutens supervised the following Doctoral students at the CUNY Graduate Center:
- C. Li.
- S. Hwang.
- A. Stout.

Arnavaz Taraporevala:


Thomas Tradler:

Published the following papers:

Professor Tradler presented the following talk:


Huseyin Yuce:

Dr. Yuce was awarded a NSF-CCLI/TUES grant as a principal investigator ($199,559 for 2010-2012) for the project “The Brooklyn Waterfront 2050”. He was awarded a STATinMED Research Inc. Grant as a PI ($10,000 for 2010-2011) for the project “Rare Event Analysis in Outcomes Research”. He was also awarded a NSF-ATE grant as a co-PI STEM Coordinator for the project “Fuse Lab: Collaborative Education for Tomorrow’s Technology in Architecture, Engineering & Construction” ($887,322 for 2011-2014). Professor Yuce was also awarded a PSC-CUNY Research Grant as a PI for 2010-2011.

Professor Yuce published the following paper:


Professor Yuce presented the following talk:


Professor Yuce presented a poster titled “Differences in outcomes measures of diabetes patients using an insulin device and a conventional human insulin vial/syringe” at the 16th Annual International Conference of ISPOR (International Society for Pharmacoeconomics and Outcomes Research) in Baltimore, MD, May 21-25, 2011.

Professor Yuce served on the Research Abstract Review Committee for the ISPOR 13th Annual European Congress held on November 6-9, 2010 in Prague, Czech Republic.

Lin Zhou:

Dr. Zhou was awarded a PSC-CUNY Grant PSCOOC-41-143 (2010-2011): A Mathematical Analysis of Models of Wormlike Micellar Solutions ($3325).

Professor Zhou published the following paper:


Professor Zhou presented the following talks:


This newsletter summarizes the achievements of the Physics Departments for the academic year 2010-2011. 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 **Eighth Annual Poster Session** on November 18, 2010 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 **Fifth Annual City Tech Research Conference**. Prof. Kezerashvili presented a plenary titled *Can we move photons?* Profs. Berman, Ferroglia, Gelman, Ossola and Delgado 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 2010-2011 were awarded to Profs. Berman, Boyko, Gelman, Lufeng, Ossola and Vazquez-Poritz. Applications to NSF grants led to successful funding of two additional NSF grants, awarded to Profs. Ferroglia and Ossola.

The **City Tech Center for Theoretical Physics (CTP)**, established in the summer of 2010, completed its first 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 Lilia Anguelova (Univ. of Cincinnati), Philip Kim (Columbia University), Blake Bullock (James Webb Space Telescope), Klaus Ziegler (Universitaet Augsburg, Germany), Claudio Maccone (International Academy of Astronautics, Paris, France), Boris Altschuler (Columbia University), David Snoke (Univ. of Pittsburgh), Christopher Pope (Texas A&M), Christopher Aubin (Fordham University), Natalia Zimbovskaya (Univ. of Puerto Rico), Gregory Gabadadze (New York University), Matthew Strassler (Rutgers Univ.), Roberto Bonciani (LPSC Grenoble, France), Thomas Cohen (Univ. of Maryland), Steve G. Greenbaum (Hunter College, CUNY), Robert D. Pisarksi (Brookhaven National Laboratory). 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. In addition, our faculty gave presentations on major national and international conferences world-wide: 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, Advances in Space Research, Physics Letters, Applied Physics, Recent Patents on Space Technology, High Energy Physics.
Individual Faculty Research Activity

Oleg Berman:

**PSC CUNY Grant**, July 2010 – June 2011: COLLECTIVE PROPERTIES OF QUASIPARTICLES IN LAYERED GRAPHENE STRUCTURES

Publications:


Presentations:


**O. L. Berman**, “Graphene-based photonic crystal” APS March Meeting 2011 (Condensed Matter Section), Dallas, Texas, March 21 – 25, 2011

O. L. Berman, “Graphene-based two-dimensional and one-dimensional photonic crystals”, invited talk at the international conference “Physics of Quantum Electronics” (PQE 2011), Snowbird, Utah, USA, January 2 – 6, 2011

Vladimir Boyko:

PSC CUNY Grant, July 2010 – June 2011: TWIN GROWTH IN NANOCRYSTALLINE MATERIALS

Publications:


Andrea Ferroglia:

Publications:


Presentations:


A. Ferroglia, Top-quark pair production beyond NLO, Heavy Particles at the LHC, ETH Zurich, January 5-7, 2011.

Boris Gelman:

THREE-BODY SECTORS

Presentations:


**Lufeng Leng:**

**PSC CUNY Grant**, July 2010 – June 2011: INVESTIGATION ON EXTENDED REACH GIGABIT PASSIVE OPTICAL NETWORK USING RAMAN AMPLIFICATION

**Roman Kezerashvili:**

Publications:


**Presentations:**


**German Kolmakov:**

**Publications:**


**Ari Maller:**

**Publications:**


**Gregory Matloff:**

**Publications:**


Presentations:


Giovanni Ossola:

NSF Research Grant, July 2009 – June 2011: AUTOMATED COMPUTATION OF ONE-LOOP SCATTERING AMPLITUDES

PSC CUNY Grant, July 2010 – June 2011: BHABHA SCATTERING, A LUMINOSITY CANDLE FOR ELECTRON-POSITRON COLLIDERS

Publications:


Presentations:


Justin Vazquez-Poritz:

**PSC CUNY Grant**, July 2010 – June 2011: PRECISION TESTS FOR GAUGE-GRAVITY DUALITY

**NSF Research Grant**, July 2010 – June 2013: CONSTRAINING GRAVITY DUAL MODELS OF STRONGLY COUPLED PLASMAS

Publications:


Presentations:


SOCIAL SCIENCE FACULTY LECTURE SERIES

Organized by Professors Laureen Park and Howard Sisco, the Social Science Faculty Lecture Series continues to provide a regular forum for the full-time professors in the department to give a talk on past, present and/or future research while at the same time receiving feedback, support and encouragement from their peers about their work. The following faculty presented during the 2010/2011 academic year:

- Prof. Kyle Cuordileone presented “Lost Behind the Iron Curtain: The Strange Odyssey of Noel Field”
- Prof. Daniel Capruso presented “Retrograde Memory in Cerebrovascular Disease and Alzheimer’s Disease”
- Prof. Peter Parides presented “Legacies of the Atomic Bomb: Past, Present, Future”
- Prof. Pa Her presented “Family Socialization and Individual Processes associated with Teenage Marriage among Hmong American Women”
- Prof. Edward Kaplan presented “Keynes, the Great Depression and Today’s Economy”

SOCIAL SCIENCE FACULTY GRANT AWARDS

Professor Lisa Pope Fischer received a PSC-CUNY grant award to fund her fieldwork in Budapest, Hungary on elderly Hungarian women’s re-interpretation of societal change. Prof. Pope Fischer’s research seeks to gain insight into the plight of these women and understand how societal change and identity construction link with Socialism and Capitalism to frame an understanding of their personal experiences.

SOCIAL SCIENCE FACULTY BOOKS


SOCIAL SCIENCE FACULTY PUBLICATIONS


SOCIAL SCIENCE FACULTY PRESENTATIONS


MacDonald, S. (October, 2011). The current financial crisis and the Occupy Wall Street movement. Invited presentation given to the English Department faculty and students at the New York City College of Technology, Brooklyn, NY.


Pope Fischer, L. (November, 2011). Circulating (a)political memory through time and space; Elderly Hungarian women’s reinterpretation of post-Socialist change. Paper presented at the annual meeting of the American Anthropology Association, New Orleans, LA.


Rodriguez, E. M. (2010, November). Religious conservatism meets clinical psychology: Issues for patients and therapist. Invited lecture presented to pre-doctoral psychology interns and externs at Kings County Hospital Center, Brooklyn, NY.
Stanev, S. & Hannum, R. (September, 2011). To the question of Anglo-American planes, fallen during 1943-44 in Bulgaria and in the areas controlled by the Bulgarian army. Invited paper presented at Shumen University, Shumen, Bulgaria.

• Delaram Kahrobaei: Chair
• Andrew Douglas: Designed newsletter, compiled submitted departmental research reports.
• Tshombe Walker: Compiled scholarly accomplishments for African American Studies.
• Laina Karthikeyan: Compiled scholarly accomplishments for Biology.
• Anna H.-J. Do: Compiled scholarly accomplishments for English.
• Ann Delikan: Compiled scholarly accomplishments for Humanities.
• Samar ElHitti, Laura Ghezzi: Compiled scholarly accomplishments for Mathematics.
• Giovanni Ossola, Oleg Berman: Compiled scholarly accomplishments for Physics.
• Eric M. Rodriguez: Compiled scholarly accomplishments for Social Science.