

Bridge To The Doctorate Retreat 2009



new york city alliance

NEWS

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2009 Special Edition

Bridge To The Doctorate Retreat 2009 - Inter-LSAMP Bridge Network Building

The New York City Louis Stokes Alliance Bridge to the Doctorate Retreat 2009, was held at the Best Western All Suites Hotel at the University of South Florida. The event had representation from fifteen (15) institutions and four Bridge To the Doctorate programs. The event provided a forum for frank, honest and uninhibited interactions, networking, panel discussions and student and faculty research presentations.

"The Bridge to the Doctorate program will provide the necessary incentive to enable the New York City LSAMP program to build the critical mass needed to remain catalytic, recruiting and retaining top LSAMP Research Scholar graduates to pursue graduate studies through to completion of the Ph.D."

- Neville A. Parker, Ph.D., P.E.,
Herbert G. Kayser Professor of Civil Engineering
NYC LSAMP Principal Investigator/Project Director



Bridge Retreat Faculty Participants

STEPHEN R. COX

Project Director

NSF Greater Philadelphia Region Louis Stokes Alliance for Minority Participation (AMP)

Mr. Cox graduated from Drexel University with a Bachelor of Science degree in Physics and Atmospheric Sciences and a Master of Science degree in Biophysics and Biomedical Engineering. Mr. Cox is the founder, developer and Project Director of the NSF Greater Philadelphia Region Louis Stokes Alliance for Minority Participation (AMP) program.

ILONA KRETZSCHMAR

*Grove School of Engineering, Chemical Engineering Department
City College, City University of New York*

Ilona Kretzschmar received her Diploma (1996) and PhD (1999) degrees in Chemistry from the Technical University of Berlin. During her graduate studies with Professor H. Schwarz, she studied reactions of metal cations with organic molecules in the gas phase employing Fourier transform ion-cyclotron resonance (FTICR) and Guided-Ion Beam (GIB) mass spectrometry. From 2000 to 2002, she was a Feodor-Lynen postdoctoral fellow at Harvard University, working on hydrocarbon radical-rearrangement reactions on clean and modified metal surfaces. Subsequently, she worked as a research associate in the Department of Electrical Engineering at Yale University in 2002 with Professor M. A. Reed in the area of molecular electronics. Currently, she holds an associate professor position with tenure at the City College of New York. Her research interests range from particle surface modification via nanomaterials to molecular directed assembly.

SOPHIA SUAREZ

*Physics Department
Brooklyn College, City University of New York*

Dr. Suarez completed her undergraduate (1998) and graduate education (2004) at Hunter College/CUNY. During this time her research was focused on the use of NMR to study various types of materials, mainly with application in electrochemical devices such as lithium ion batteries and fuel cells. Materials studied includes proton conduction electrolytes for use in proton conduction membrane fuel cells, lithium ion conductors for use in lithium ion batteries, and various superacids in a fundamental study of proton conduction mechanisms in aqueous systems. Dr. Suarez then completed a NRC postdoctoral appointment (2004-2006) at the Naval Research Lab, Washington, DC., in Solid State Physics.

DR. CLAUDE VILLIERS

*U.A. Whitaker School of Engineering (WSOE)
Florida Gulf Coast University*

Dr. Villiers is an Assistant Professor in the U.A. Whitaker School of Engineering (WSOE) at Florida Gulf Coast University. He received his Ph.D. in Civil Engineering with a concentration in Materials and Construction from the University of Florida in 2004. Dr. Villiers' areas of principal research interest are Civil Engineering Materials and Asphalt Technology, Highway and Pavement Design, Mechanistic Analysis of Pavement Structures, Specifications and Construction Variability of Pavement Materials, Quality Control/Quality Assurance, Pavement Management and Rehabilitation, and Statistics related to Pavement Materials.

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In Their Own Words: Retreat 2009 Participants



Adina Boyce, City College

As Bridge to Doctorate Students we usually congregate monthly for discussions, forums and presentations, but being in the non-academic setting of Tampa allowed us to bond and socialize on an entirely different level. Meeting students from the Pennsylvania and Florida cohorts and the surprise giveaways were a plus.



Geraldine Cochran, Chicago State University

Finally, I would say the part of the retreat that had the most impact, or at least the part that stood out most in my mind, was international work. Not only did the panel discussion inspire me, but the many conversations afterward that I had with the Bridge to Doctorate students who engaged in international research in the past helped me to realize that going abroad is a worthwhile, beneficial, even necessary step in pursuing my future career and academic goals

Kiyya Davis, Medgar Evers College

What made the panel discussions so valuable was the honesty of graduate students and faculty. They held no punches and they were brutally honest about the time and dedication that is required to pursue a doctoral degree. They gave you the positive and negatives. They also offered realistic solutions to problems that you encounter in graduate school.

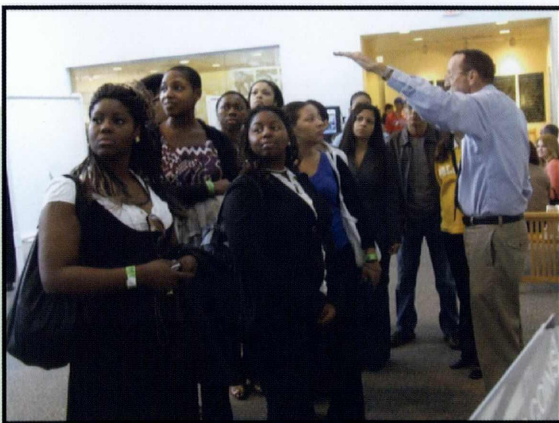


Souleymane Diallo, College of Staten Island

Always value a good relation, and good communication among peer in your field at and your lab members because they can be a nice group of support helping you achieve your goal.

Erica Fells, Lehman College

The conference was very informative especially the panels that talked about choosing a mentor, and obtaining fellowships. Everyone was very friendly and intelligent and the environment was incredibly inspiring and motivating. The experience of presenting to such an intelligent audience was one I'd never forget. I was truly nervous but was happy to receive such interest in my work. In all, the best part of the trip was networking with the other participants. Meeting many different personalities with different science backgrounds was enjoyable.



Abdelhamid Jnane, City College

The experience motivated me to continue my graduate studies and pursue my research in biomedical engineering. The retreat allowed me to look into the vast array of possibilities that lie before me and explore my own future as a researcher in science and engineering as well. The research presentations provided me with knowledge of cutting edge research topics from different fields and discipline and allowed me to network with the greatest and brightest researcher scholars that LSAMP has produced over the years.

Retreat participants at the Florida Museum of Natural History preparing to tour the Butterfly Rainforest

Odingo Mitchell, York College

The bridge to the doctorate retreat was in general good experience the difference from other events was that we all have a chance to bounce ideas and experience off each other at an individual level.

Clara Neito-Wire, CUNY Graduate Center-City College

The 2009 Bridge Retreat was a special event for me. A family atmosphere was the signature which made the difference between this event and any other I have attended in the past. Amazing opportunity to network. I felt privileged to have access to such a selected group of people with common interests (professionally, personally, academically). The program update and the international experience panels were successful in making me realize the importance of the international or global impact of all of our work.

Jose Saltos, College of Staten Island

I think that as an undergraduate it was a unique opportunity to, first, interact with graduate students. It brings a sense to reality to what they do and how they do it. I was very impressed with their presentations and most of all, it gave me the opportunity to ask about life after the baccalaureate. Although I wasn't expecting to be listening to presentation for hours, I honestly think it was worth it. As I said already, the presentations were impressive, but the fact that we could talk about work without a lot of pressure made remarkable.

Cindy Thomas, SUNY Stony Brook

Essentially, the retreat exceeded my expectations with respect to the depth and breath of issues covered. It was also quite refreshing to be able to share ideas with peers as well as to gain information on the research being conducted by said peers in a relaxed atmosphere. The location was an amazing choice as was the compilation of panel discussions.



LSAMP Scholar Ronald Fikes presenting at the Florida Museum of Natural History-Celebration of Undergraduate Creativity





*Panel of University of South Florida Bridge Scholars-
Quenton Bonds, Andrea Rocha and Al Aakhir*



RESEARCH PRESENTERS/TITLES

ADINA BOYCE, CIVIL ENGINEERING, CITY COLLEGE

TRANSPORTATION MODELING AND SIMULATION

ANGEL CALLE, ELECTRICAL ENGINEERING, GRADUATE CENTER-CITY COLLEGE

CONTROL SYSTEM DESIGN FOR CLIMBING ROBOTS

JEAN R. CESARIUS, MATHEMATICS, QUEENS COLLEGE

MINIMIZING INTEGRAL OF POLYNOMIAL DEGREE NON INTERVAL $[0, 1]$

GERALDINE COCHRAN, PHYSICS EDUCATION, CHICAGO STATE UNIVERSITY

INVESTIGATING THE VALUE STUDENTS IN INTRODUCTORY PHYSICS COURSES PLACE IN THE GUIDED-INQUIRY APPROACH TO INSTRUCTION AND THE USE OF QUESTIONING

LINA CORDERO, ELECTRICAL ENGINEERING, GRADUATE CENTER-CITY COLLEGE

LIDAR STUDIES OF THE ATMOSPHERE

KIYYA DAVIS, BIOLOGY, MEDGAR EVERS COLLEGE/CITY COLLEGE

STUDIES ON THE 17 β -ESTRADIOL (E₂) HORMONE

NEJEA I. DAVIS, CHEMISTRY, TEMPLE UNIVERSITY

GRADIENT ELUTION ISOTACHOPHORESIS DEVELOPMENT AND OPTIMIZATION FOR SENSITIVE DIRECT MEASUREMENTS OF AMINO ACIDS IN A BIOLOGICAL MATRIX

SOULEYMANE DIALLO, NEUROSCIENCE, CUNY-COLLEGE OF STATEN ISLAND

5HT_{1A}-R AND THE BRAIN DEVELOPMENT THE SEROTONIN 1A RECEPTOR (5-HT_{1A}-R)

ERICA FELLS, MATHEMATICS, CUNY- LEHMAN COLLEGE

COUNTING RNA DUAL GRAPHS

RONALD FIKES, BIOLOGY, QUEENS COLLEGE

MOLECULAR EVOLUTION AND POPULATION GENETICS OF THE ANTI-VIRAL OAS1 GENE IN PRIMATES

SHAYRI GREENWOOD, BIOLOGICAL PSYCHOLOGY, SUNY STONY BROOK

EXERCISE AFFECTS CELL LOSS FROM EPILEPTIC SEIZURES

ABDELHAMID JNANE, BIOMEDICAL ENGINEERING, CUNY-CITY COLLEGE

ELECTROENCEPHALOGRAM BIOFEEDBACK

KAREEM JOSHUA, BIOMEDICAL ENGINEERING, CUNY-CITY COLLEGE

NANOPARTICLES OF BIODEGRADABLE POLYMERS FOR CHEMOTHERAPEUTICS: HYPERTHERMIA CAN ENHANCE THE DELIVERY AND EFFECT OF PACLITAXEL LOADED PLA-TPGS FORMULATED NANOPARTICLES.

VIRGINIA POLONIA KOCIEDA, BIOLOGY, TEMPLE UNIVERSITY

PGE₂ AFFECTS THE IL-12/IL-23 BALANCE IN MATURE MYELOID DENDRITIC CELLS

VIHO KPADE ESSEAM, INFORMATION SYSTEMS, BROOKLYN COLLEGE

KNOWLEDGE SHARING THROUGH SOCIAL NETWORKS (CASE OF THE PROJECTSTEM WEBSITE)

AYEMONE LIKOUA, BIOLOGY, CUNY-HUNTER COLLEGE

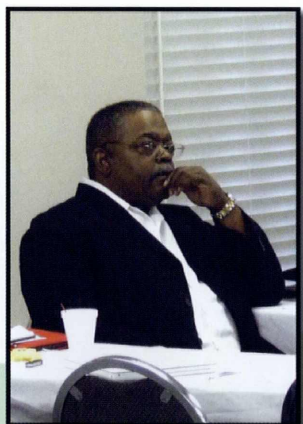
SELECTIVE DEPLETION OF THE OLFACTORY SYSTEM

ODINGO MITCHELL, PHYSICS/MATHEMATICS, YORK COLLEGE

DEVELOPMENT OF A ¹³C- ¹H DOUBLE- RESONANCE SOLID STATE NMR PROBE WITH A MECHANISM THAT ALLOWS FOR MECHANICAL DEFORMATION OF BIOLOGICAL SAMPLES

CLARA NIETO-WIRE, ELECTRICAL ENGINEERING, GRADUATE CENTER-CITY COLLEGE

FAILURE ACCOMMODATION FOR A TAILLESS AIRCRAFT



CARLOS G. PENALOZA, BIOLOGY, GRADUATE CENTER-QUEENS COLLEGE

SEX OF THE CELL DICTATES ITS RESPONSE: DIFFERENTIAL GENE EXPRESSION AND SENSITIVITY TO CELL DEATH INDUCING STRESS IN MALE AND FEMALE CELLS

ERIC RIOS-DORIA, CHEMISTRY/MATHEMATICS, CUNY-COLLEGE OF STATEN ISLAND

SYNTHESIS OF CLICK DISCOTIC LIQUID CRYSTALS

JOSE SALTOS, BIOCHEMISTRY, CUNY-COLLEGE OF STATEN ISLAND

THE EFFECT OF KETAMINE IN AN ANIMAL MODEL OF DEPRESSION

FRANCOISE SIDIME, NEUROSCIENCE, CUNY-COLLEGE OF STATEN ISLAND

PHOTORECEPTOR DEGENERATION

CARLOS A. SILVERA-BATISTA, CHEMICAL ENGINEERING, UNIVERSITY OF FLORIDA GAINESVILLE

SHEAR EFFECTS ON THE PHOTOLUMINESCENCE OF SINGLE-WALLED CARBON NANOTUBE SUSPENSIONS

EVELYN TERAN, BIOLOGY, CUNY-QUEENS COLLEGE

D5H IS REQUIRED FOR THE PHOSPHORYLATION OF DPRIA BY CKI

CINDY A. THOMAS, BIOLOGY (GENETICS), SUNY STONY BROOK

BINDING AND INHIBITION/ENHANCEMENT OF BINDING AND UPTAKE OF FRANCISELLA TULARENSIS LVS BY MURINE BONE MARROW-DERIVED MACROPHAGES.

SILMILLY TORIBIO, BIOCHEMISTRY, GRADUATE CENTER-CITY COLLEGE

PHYSICAL STUDIES OF PROTEIN-PROTEIN AND PROTEIN-LIGAND INTERACTION BETWEEN H-FABP AS AN APPROACH TO UNDERSTANDING THE MECHANISM UNDERLYING ITS CHEMICAL INTERACTIONS

JULIANNE VERNON, ENVIRONMENTAL ENGINEERING, UNIVERSITY OF FLORIDA GAINESVILLE

EFFECT OF IRON PARTICLE SIZE MERCURY REMOVAL FROM AQUEOUS EFFLUENTS: IMPLICATIONS FOR WATER TREATMENT

ROBIN WALKER, BIOLOGY, UNIVERSITY OF CONNECTICUT

DIFFERENCES IN G-PROTEIN & CA²⁺ CHANNEL INVOLVEMENT IN ABA & PATHOGEN SIGNALING TO NO AND H₂O₂ IN THE GUARD CELL.

DANA WARMSLEY, MATHEMATICS, CUNY-HUNTER

MATHEMATICAL MODELS OF SOCIAL NETWORKS

ALEXANDRIA WISE, NEUROBIOLOGY, GRADUATE CENTER-CITY COLLEGE

RUGOSE (RG) GENE MUTATION IN DAKAP550 SHOW STRUCTURAL CHANGES IN DROSOPHILA NMJ BOUTONS

Participating Institutions

Brooklyn College
Chicago State University
City College
College of Staten Island
Drexel University
Florida Gulf Coast University
Hunter College
Lehman College
Medgar Evers College
Queens College
SUNY Stony Brook
Temple University
University of Connecticut
University of Florida
York College
University of South Florida

Panel Presentations/Discussions

- Transition to Doctoral Study
- Choosing the Doctoral Thesis Mentor and the Thesis Committee
- The International Experience
- Funding: Preparing the Fellowship Applications
- Publications and Presentations at National Professional Society Meetings
- The First Level/Qualifying Examinations
- The Second Exam/Advancement to Candidacy
- The Exit Strategy-Thesis Writing and Defense
- What Next? The Job Market? Post Doctoral Training?
- The First Appointment

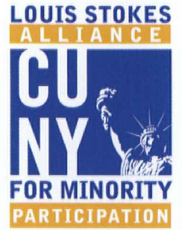


Panelists Alex Wise (CUNY Graduate Center), Carlos Silvera Batista (University of Florida, Gainesville), Geraldine Cochran (Chicago State University) Julie Vernon (University of Florida, Gainesville), and Carlos Penaloza (CUNY Graduate Center)



Call for Papers:

2nd Annual Bridge To The Doctorate Retreat



New York City Louis Stokes Alliance of the City University of New York
January 13-16, 2010
Tampa, Florida

The New York City Louis Stokes Alliance for Minority Participation in Science (NYC LSAMP) will be holding its **2nd Annual Bridge To The Doctorate Retreat Wednesday January 13 through Saturday January 16 at the Clarion Hotel and Conference Center, Tampa.** The annual event provides a forum for frank, honest and uninhibited interactions, networking, panel discussions and student and faculty research presentations. Panel presentations will cover:

- Transition to Doctoral Study
- Choosing the Doctoral Thesis Mentor and the Thesis Committee
- The International Experience
- Funding: Preparing the Fellowship Applications
- Publications and Presentations at National Professional Society Meetings
- The First Level/Qualifying Examinations
- The Second Exam/Advancement to Candidacy
- The Exit Strategy-Thesis Writing and Defense
- What Next? The Job Market? Post Doctoral Training?
- The First Appointment

Paper Format-Papers must be a maximum of TWO PAGES and include-

Research Area (Discipline and Sub discipline)
Presenter's Name, and Advisor

College and Address
E-mail and Telephone

Abstract (Times New Roman, point size of 11 and a MAXIMUM of 350 words)

Introduction (Times New Roman, point size of 11)

Materials & Methodology (Times New Roman, point size of 11)

Results (Times New Roman, point size of 11)

Discussion/Conclusion (Times New Roman, point size of 11)

References & Acknowledgements (Times New Roman, point size of 11)

NOTE

Page Margins 1 inch Top and bottom, left and right margins

DO NOT INDENT TEXT

All PAPERS must be submitted via email to cbrathwaite@ccny.cuny.edu in MS word.

Paper Submission Deadline: December 16, 2009

Email submission: cbrathwaite@ccny.cuny.edu

2nd Annual Bridge To The Doctorate Retreat

NYC Louis Stokes Alliance of the City University of New York

January 13-16, 2010

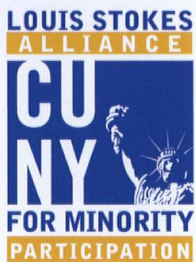
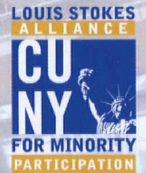
Clarion Hotel and Conference Center • Tampa, Florida

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