City Tech
Six Annual
POSTER SESSION
of Faculty & Student Research

Thursday, November 13, 2008
Atrium Ground Floor Gallery
Faculty and Student Presentations
1 pm - 4 pm
Organizing Committee

Roman Kezerashvili, chair
Renata Budny
Candido Cabo
Aparicio Carranza
Boris Gelman
Victoria Gitman
Camille Goodison
Daniela Viviana Vladutescu
Zongmin Li
Keith Muchowski
Alexander Rozenblyum
Elizabeth Schaible
Hans Schoutens
Avis Smith
Stephen Soiffer
Program of Poster Session

Welcome and Greetings

1:30 pm-1:50 pm  Dr. Russell Hotzler, President
    Dr. Bonne August, Provost
    Sonja Jackson, Dean of Curriculum and Instruction
    Robin Bargar, Dean of School of Technology and Design
    Dr. Pamela Brown, Dean of School of Arts and Sciences
    Barbara Grumet, Esq., Dean of the School of Professional Studies

The program is organized by topics rather than by departments. Frequently the presentations are cross-disciplinary or difficult to assign to the discipline represented by the department with which the presenter is affiliated.

Architecture

1. Dale Laurin and Anthony Romeo, Architecture and You.
2. Carmen Trudell and Sanjive Vaidaya, Green Architecture.

Biological Sciences

7. Ralph Alcendor, Silent Information Regulator 1 (Sirt1) Protects Cardiac Myocytes from Cell Death.
8. Majeedul Chowdhury, Effect of Osteoblast on Bone Resorption by Osteoclast in a Co-Culture Model.
9. Zongmin Li, Cytotoxicity of Heavy Metal Cadmium Is Associated with Cyclooxygenase-2 Up-regulation in Mouse Neuronal Cells.
12. Renee Clarke, Kashif Hoyte and Javier Joya (Mentor: Reggie Blake), Mexican Megafauna.
Chemistry


Computer Systems and Engineering Technology


Engineering Technology


English

27. George Guida, New York and Other Lovers: A Poet’s City Life.


29. Mary Nilles, The Homes They Left Behind.
32. Lubie Alatriste, Where Does Freshman ESL Writing Come From?

**Health Sciences**

33. Kathleen Falk, Improving Education for Diabetics with Low Health Care Literacy.
34. Aida L. Egues, The Relationship Between the Quality of Mentoring Experienced by Hispanic RN’s and Their Level of Nursing Practice.
37. Mary Frances McGibbon, A Correlational Study of Family Stress and Adaptation Among the Surviving Parents of the New York City Firemen Who Perished in the World Trade Center Disaster.
38. Elaine Leinung, Teens Educated about Asthma Management.
41. Rocio German, (Mentor: Renata Budny) Micro-Ceramic Indirect Composite Resin Veneers.
42. Milos Marcovic and Oscar Galvis (Mentor: Renata Budny), Esthetical Aspects of All-Ceramic and PFM Restorations.
43. Anty Lam, Increase in Utilization of Dental Sealants.
44. Joycelyn Dillon, A Study on Utilization of Dental Hygiene Services by Older Adults.

**Hospitality Management**

45. Claire Stewart, Testing Recipes for a Cookbook.
46. Patrick O'Halloran, Credit Card Debt, What You Should Know.
47. Renata Kenigstein, Around the World in Ninety Days...On a Budget.
49. Elizabeth Schaible, Teaching Students to Use their Wits and Whisks through Culinary Improvisation: Case Study in the Scholarship of Teaching and Learning.
50. Louise Hoffman, Art and Pastry Collide.
Humanities, Psychology and Social Sciences

51. Howard Sisco, Effect of Item Level Social Desirability on Factor Structure Stability.
55. Daniel Capruso, Two- versus Three-Dimensional Block Construction: Relationship to Spatial Vision and Locus of Cerebrovascular Lesion.
56. Jean E. Kubeck and Howard Sisco, Human Subjects Research - What YOU Need to Know.
57. Marissa J. Moran, Totem Law.
58. Martin Garfinkle, Taming the Black Dog: Insights into Winston Churchill’s Depression and Its Meaning to People Who Suffer From Depression.

Mathematics

60. Franklin Fung, Sereta Scott (Mentor: Delaram Kahrobaei), Digital Signatures.
61. Samar El Hitti, Algebraic Resolution of Formal Ideals along a Valuation.
64. Michael Munn, Volume Growth and the Topology of Manifolds with Nonnegative Ricci Curvature.
67. Thomas Tradler, String Topology and Topological Conformal Field Theory.
68. Hans Schoutens, Why 2 is Also Equal to 1+2/3+1/3: Motivic Multiplicities.

70. Laura Ghezzi, Minimal Free Resolutions of Points.


**Physics**

73. Gregory Matloff and Monika Wilga, NEOs as Stepping Stones to Mars.

74. Vladimir S. Boyko, Dislocation Description of Twins in Advanced Materials.

75. Giovanni Ossola, New Computational Methods for the Large Hadron Collider.

76. Boris Gelman, Effective Field Theory for Triple Alpha Fusion.

77. Sheng-kun Zhang, Quantum Well and Quantum Dot Intraband Infrared Photodetectors.

78. Oleg Berman, Superfluidity of Magnetoeexcitons and Magnetobiexcitons in Graphene Layered Structures.


80. Lufeng Leng and Thinh Le, An All-Optical Upstream Carrier Generation Scheme for Optical Network Unit Using a Brillouin/Erbium Fiber Laser.

81. Adam Atia and Ibrahim Siddo (Mentors: Vernon Morris and Reggie Blake), Trans-Atlantic Transport of Saharan Dust Aerosol.

82. Jian Hong Li, (Mentor: Reggie Blake), The Use of MatLab to Process Satellite Remote Sensing Data of Sea Ice.

83. Lori Younge (Mentors: Alexander Gilerson and Reggie Blake), Chlorophyll Fluorescence from MERIS Data for U.S. West Coast.

84. Shalva Tsiklauri, Four-Electron Quantum Dot Molecule in a Magnetic Field.


The Library Faculty Team will have a special display: Partners in Scholarship, Teaching, and Pedagogy.
City Tech Poster Session features the results of the research of faculty and students. The Poster Session has become a tradition at the College to highlight the research achievements of our faculty and students. Each year our Poster Sessions have grown and become more interesting and successful. This year we have 85 presentations of faculty and student research.