PROGRAM

9th Annual POSTER SESSION of Faculty and Student Research and Faculty Publications Exhibit

Faculty Research Recognition Day.

Thursday, November 17, 2011
1:00 pm to 3:00 pm
Klitgord Gym
Welcome and Greetings

1:30 pm-1:50 pm  Dr. Russell Hotzler, President  
                  Dr. Bonne August, Provost  
                  Sonja Jackson, Dean of Curriculum and Instruction  
                  Dr. Karl Botchway, Dean of the School of  
                  Arts and Sciences  
                  Kevin Hom, Dean of the School of  
                  Technology and Design  
                  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.

Architectural and Graphic Arts Technology

1. Illya Azaroff, Designing for Disaster: Shelter Evolution.
2. Lloyd Carr, Color You Can Expect: Online and Offline.

Biology and Health Sciences

7. Susan Nilsen-Kupsch, Maria-Elena Bilello, An Investigation into the Frequency of Oral Cancer Screening and Population Density Factors that Affect It.
11. Zoya Vinokur, Maritza Lopez, Joanna Fiutak, Tomer Yakov, Naval Reid, Transportation Security Administration body scanners Upclose and Personal.
13. Liana Tsenova, A Drug that Accelerates Antibiotic Killing of M. tuberculosis and Reduces Lung Pathology in Tuberculosis.
15. Karein Sylvain, Zirconia Restorations.
16. Richard Greenidge Jr., Improvements in Dental Technology.
17. Ryo Hashimoto, All-Ceramic Restorations.
19. Anthony DeVito, Sondra Rivera, Senior Associate Degree Nursing and Radiologic Technology Students Interdisciplinary Collaboration in Communication Skills.
21. Celeste Waddy, Deidre Brown, Introducing Podcasting into the Associate Degree Nursing Curriculum.
23. Armando D. Solis, Maximal Use of Information Found in All Protein Structure Data.
24. Tatiana Voza, A New Mechanism Involved in Malaria Immunity.
26. Josef Bohm, Data Mining the National Center for Health Statistics: Database Resources and Extraction Tools.
27. Josef Bohm, Two Factor Theory, Intersecting Health Care Delivery and Patient Satisfaction.
28. Josef Bohm, Socio-demographic Catalysts for Usage of Practitioner Based CAM.

**Business**


30. Charles A. Stone, Anne Zissu, Securitization of Senior Life Settlements and Liquidity Facility Issues.


**Computer Science and Engineering Technology**


34. Edward Morton, Travis Elder, Arduino Uno Microcontroller Applications.

35. Marcos Pinto, Making Predictions of House Prices with Monte Carlo Simulation Using MatLab.


42. Katia Hristova, Efficient Datalog Queries with Complexity Guarantees.

43. Xiangdong Li, Accurate Position Service Based on Interacting Multiple Model with Unscented Kalman Filter.
44. See Hong Chiu, Candido Cabo, Study of the Mechanism of Ion Selectivity of Kv1.2 Potassium Channels Using Molecular Dynamics Simulations.

45. Xiaohai Li, Analysis of Dynamic Epidemiology Networks by Tensor Factorization and Spectral Measures.

**Education**

46. Renata Budny, Nicholas Manos, New York’s Dental Laboratory Higher Education: How It All Began.

47. Aida Egues, Experiences of Mentoring Influences on the Personal and Professional Growth of Hispanic Registered Nurses.

48. Patricia Cholewka, Sondra Rivera, David Smith, Second Life in Nursing Education at New York City College of Technology.

49. Yu Wang, Enhancing Students Learning Experience in Microprocessor.


51. Amit Mehrotra, Maura A. Smale, Using Emerging Media to Enhance Hybrid Instruction in Research Methods Courses.


55. Andy Zhang, Iem Heng, Farrukh Zia, Daniel DiModugno, Jeffery Lim, Mario Lalama, Olusegum Sogbesan, Maria Vanegas, Ali Harb, Cross-Departmental Collaboration to Teach Electrical and Mechanical Designs Using Chemical Detection Robots.

**Engineering Technologies**

56. Roy St. Furcy, Yapah Berry, Gaffar Gailani, Characterization of the Shock Table Test.

57. Yapah Berry, Sean Pratt, Olivia Reed, Gaffar Gailani, Designing Curriculum in Aerospace.
58. Olivia Reed, Fred Moshary, Comparison of Aerosol Optical Depth and Surface Particulate Matter for New York State.


60. Viviana Vladutescu, Antonio Aguirre, Agossa Segla, Aerosol Optical Depth Measured During the Intensive Observational Period on the US East Coast in the Summer of 2011.


64. Rouzbeh Nazari, Impact of Flood and Sea Level Rise on Coastal Areas and Damages in Long Island, NY, Pilot Study for the US Coastal Regions.

65. Agossa Segla, Viviana Vladutescu, Determination of aerosol optical depth using a Micro Total Ozone Spectrometer II.

Hospitality


67. Elizabeth Schaible, Relationship of Palate and Place: The Intersection of Food and Design, Then and Now.


Humanities, Social Sciences and English

69. Jane Mushabac, Writers Respond to Writers, Poems from English 1141: Creative Writing.

70. Tess Tobin, Advocating for Freedom and Equity of Access to Information to Underserved Cultural and Linguistic Communities around the World.

73. Anna H.-J. Do, Building Bridges: A Thematic Approach to College Reading and Writing.
74. Hugh P. McDonald, Creative Actualization as a General Theory of Value.
75. Costas Panayotakis, Remaking Scarcity: From Capitalist Inefficiency to Economic Democracy.
77. Laureen Park, Opening the Black Box: Reconsidering Needs Theory through Psychoanalysis and Critical Theory.
78. Sean P. MacDonald, Who Enters the Foreclosure Process?
79. Mary Nilles, "HEMECHT:" A Film on Luxembourger Immigration and Culture in the Midwest.
80. Ruth G. Garcia, "O That All Neglected Wives and Fond Abandoned Nymphs Would Take This Method!": Women's Community in Eliza Haywood's Fantomina.

Mathematics
82. Laura Ghezzi, Conjectures on Hilbert Polynomials in Local Rings.
84. Delaram Kahrobaei, Daniel Bui, Identity Based Encryption.
86. Delaram Kahrobaei, Kelsey Rauber, Cloud Cryptography.
87. Samar ElHitti, Being Dependant Seems to Have Nothing to Do with Failing Strong Monomialization.
89. Lin Zhou, Wormlike Micellar Solutions in Shear Deformation.
90. Holly Carley, Copulas, Doubly Stochastic Measures, and Markov Operators.
91. Hans Schoutens, Discrete Pigeonhole Principle.
92. Ezra Halleck, Michael Walz, In the Game of Heads and Tails, Always Ahead or Finishing Even: Probabilities Are the Same!
93. Sheila Miller, Coupled Cell Networks and Leatherback Sea Turtles.
94. Andrew Parker, Intersection Theory and Obstructions.

**Physics**

95. Justin Vazquez-Poritz, Colorful Black Holes.
96. Boris Gelman, Nucleon-Nucleon Scattering and Large-Nc Quantum Chromodynamics.
97. Andrea Ferroglia, Resummation in Top Quark Pair Production.
100. Oleg L. Berman, Seyedhamidreza Sadatian, Michal Faryniarz, German V. Kolmakov, Non-linear Dynamics of the Exciton Bose-Einstein Condensate: Numerical Simulations with Graphics Processing Units.
101. German V. Kolmakov, How Waves in Quantum Fluids Help Us to Understand Turbulence.
102. Lufeng Leng, Thinh Le, Study of the Raman Gain Dependence on the Pump Wavelength.
103. Matthew Delgado, Pierre Gideon, Modeling Material Phase Transitions with the Ising Model.
106. Reginald Blake, Tarendra Lakhankar, Dugwon Seo, Juan Meijia, Validation of Flash Flood Guidance System by Statistical Analysis.

**Ursula C. Schwerin Library**

109. Partners in Research, Scholarship, and Pedagogy.
110. Supporting Open Access at City Tech.
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 110 presentations of faculty and student research.

The Poster Session is generously supported by
The New York City College of Technology Foundation

and

The School of Arts and Sciences

We extend our appreciation to
Omayma Stephan, Image/Visual Communications
and Reproduction Center for their efforts and support
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