NEW YORK CITY COLLEGE OF TECHNOLOGY
The City University of New York

PROGRAM

The Third Annual Poster Session of Faculty and Student Research

Thursday, November 17, 2005
Room 119 N
Faculty and Student Presentations: 1 pm ~ 5 pm
Opening and Greetings 1:15-1:30 pm
Dr. Russell Hotzler, The President
Dr. Bonne August, The Provost

Mathematics
1. Hans Schoutens. Equations Defining a Spatial Curve
2. Zhao Chen. A Ring Isomorphism of a Linear Space
4. Alexander Rozenblyum. Representations of the 4-Dimensional Quantum Rotation Group and Discrete Orthogonal Polynomials
5. Ezra Halleck. Variations of the n-Queens Problem

Physics
2. V.S. Boyko, S. Bhaskaran, and O. White. The O-vacancies Compositional Stripes Formation in High-Temperature Superconductor
3. Xiangdong Li. Simulation of Pentaquark Structure Model
5. X. Tian, Y. Su, W. Hu, L. Leng, P. Hu, H. He, Y. Dong. Precise In-Band OSNR and Spectrum Monitoring Using High-Resolution Swept Coherent Detection
6. Reginald Blake and Emmanuel Alabre. An Inter-comparison Study to Evaluate the Discrepancy in the Measurement of Air Temperature
8. R.Ya Kezerashvili Chiral Symetry Violetion in Forward Pion Double Charge Reactions

Chemistry
1. Gerald Antoine and Pamela Brown. Crystallization in the Metastable Region
2. Mary Chan and Peter Spellane. Porphyrins and Conductive Polymers

Biology
1. Steve Arnold, Vasily Kolchenko, and Mayumi Noto. Optical Biosensor for Protein Molecular Weight Detection
2. Isaac Barjis, Idline Ausutin. Modeling of DNA Transcription and Gene Regulation using Petri Nets
3. Niloufar Haque, M. Badruzzaman Khan, Punam Thakkar, Tauheed Ishrat, Nasrul Hoda, Abdusaleem El-Idrissi and Fakhrul Islam. Peroxidative damage in the Brain of Streptozotocin induced Lesions in Mouse


6. Isaac Barjis and Ali-Sabel Fakhreldin. Simulation of Molecular Processes: Mitosis and Meiosis

7. Walied Samarrai. Adaptive evolution under adverse conditions in Bacillus subtilis

**Health Sciences**

1. Roberts Cavendish, Lynda Konecny, Linda Naradovy and Pearlne Okumpayei. Patients’ Perceptions of Spirituality and the Nurse as a Provider of Spiritual Care

2. Angela Sammarco and Lynda M. Konecny. Social Support, Uncertainty, and Quality of Life Among Hispanic – American Breast Cancer Survivors – An Extension Study


**Computer Sciences**

1. Hong Li. Estimation of Oil Saturation Using Neural Network

2. Candido Cabo, Penelope A. Boyden, Andrew L. Wit. Redistribution of Cx43 Along the Lateral Membrane Increases Transverse Conduction Velocity and Cell-to-Cell Coupling: A Computational Study

3. Tatiana Malyuta. Support of Imprecise Data in Object-Relational Databases

4. Xiangdong Li. How to Secure Small and Midsize Businesses (SMBs) Wi-Fi Network?

**Electrical Engineering Technology**

1. Djafar K. Mynbaev. GMPLS — New Approach to Developing Next-Generation IP-over-WDM Networks

2. Djafar K. Mynbaev and Karim Ech-chahid. Internet Prototol over DWDM


**Humanities and Social Sciences**

1. Brian Keener. Updike’s Human Comedy: Comic Morality in The Centaur and the Rabbit Novels


3. Costas Panayotakis. Capitalism, Scarcity and Time


6. Marissa J. Moran. Although Law and Writing

7. Kyle A. Cuordileone. Manhood and American Political Culture in the Cold War

8. Jane Mushabac. Being a Writer: Writing about Men, the Coordinates of Gender and Place


10. Mark Noonan. The Place Where We Dwell: Reading and Writing About New York City