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

PROGRAM

City Tech Fourth Annual Poster Session for Faculty and Student Research

Faculty Research Recognition Day

Thursday, November 16, 2006
Atrium Ground Floor Gallery
Faculty and Student Presentations
1 pm ~ 4 pm
Organizing Committee

Roman Kezerashvili - chair
Isaac Barjis
Candido Cabo
Zhao Chen
Linda Konecny
Ariyeh Maller
Djafar Mynbaev
Costas Panayotakis
Alex Rozenblyum
Annette Saddik
Steven Soiffer
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**Opening and Greetings**

1:15 -1:30  Dr. Russell Hotzler, President  
Dr. Bonne August, Provost  
Dr. Pamela Brown, Acting Dean of School of Arts and Sciences

**Facilitating Grant-Funded Scholarship and Research**

1. Information Literacy and New Tools for Scholarly Investigation  
2. Using *Community of Science*, an International Database of Funding Opportunities for Scientific Research and Other Projects Across All Disciplines  
3. Grants Office Services to Faculty  
4. Communities of Interest as Grants Incubators  
   *The Office of the Provost, the Ursula Schwerin Library, the Professional Development Advisory Council, and the Grants Office*

**Mathematics**

1. Hans Schoutens, “How Spread Out Are Functions Near a Point?”  
7. Delaram Kahrobaei, “Removing Commutativity from Classical Cryptography.”

**Physics**

2. Roman Kezerashvili, “Do We Need the Second Postulate?”  
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Chemistry

1. Peter Spellane and Mary Chan, “Electrochemistry of Porphyrin Compounds with Aniline Oligomer Sidechains: Stable Organic Compounds with Charge-separated Excited States.”

Biology and Health Sciences


2. Lalitha Jayant, Dewprashad and Laina Karthikeyan, "Effectiveness of Salting for Preservation of Seafood.”

3. Walied Samarrai, "Modeling, Simulation and Analysis using Finite Automata of Bacillus Subtilis Ribosomal RNA Promoter’s Expression in Complex and Minimal Media.”


5. I.Barjis and M. Sierra, “Modeling of Gene Expression.”


7. Alex Zusin, Francesco Melandri, Maria E. Figueiredo-Pereira and Zongmin Li, “Differential Effects of Prostaglandins on Human Neuroblastoma Cells: Linking Inflammation to Neurodegeneration.”


10. Victoria Ying and Mark Saltzman, “Enhanced Chemotherapy by Drug Conjugation and Release from Polymer.”
Computer Sciences and Engineering Technology


2. Djafar Mynbaev, “Teaching a Multimode Optical Fiber in an Optical Communication Course for the Engineering-technology Program.”

3. Marcos Pinto, “Pricing in Campus Networks.”


6. Candido Cabo and Penelope A. Boyden, “Heterogeneous Gap Junction Remodeling Stabilizes Reentrant Circuits in the Epicardial Border Zone of the Healing Canine Infarct: A Computational Study.”

7. Malek Brahimi, “Reliability-Based Design Using Simulation for Aluminum Elements.”

Architectural Technology

1. Jill Bouratoglou and AR 511, “Student Designs for the New York City College of Technology's Welcome Center.”


Graphic Arts Technology

1. Lloyd Carr, “How to Get Clean Color in Print.”
Humanities and Social Sciences


2. Howard Sisco and Julie Tison, "Learning Styles Differences in Relation to Identification with American Culture.”

3. Virginia Knight, “TiVO and the Advertising Dilemma.”


11. Hugh McDonald, “Can Environmentalism Be the Basis for Philosophy?”

