NEW YORK CITY COLLEGE OF TECHNOLOGY
SCHOOL OF ARTS & SCIENCES

PROGRAM

The Second Annual Poster Session of Faculty and Student Research

Thursday, November 18, 2004
Room 225 N
Faculty and Student Presentations: 1 pm ~ 5 pm
Opening and Greetings

Dr. Joseph Rosen, Dean of the School of Arts & Sciences
Dr. Stephen Soiffer, Special Assistant to the President

Biology

1. Niloufar Haque (co-authored with Gong, C-X., Sengupta, A., Iqbal, K. and Grundke-Iqbal, I.)- "Regulation of microtubule-associated proteins, protein kinases, and protein phosphatases during differentiation of SY5Y cells."
2. Isaac Barjis- "Modeling, Simulation and Biology."
3. Laina Karthikeyan (co-authored with Gl. Alexander and P. Shashidharan) - "Glutamate Toxicity In Parkinson's Disease."
4. Sanjoy Chakraborty- "Is Obesity and reproduction linked phenomenon?"
5. Zongmin Li (co-authored with Regina Gussie, Lisette Arnaud, Patricia Rockwell, Maria E. Figueiredo-Pereira ) -"Linking Proteasomal Dysfunction and Neurodegeneration: A Genetic Approach."

Chemistry

1. Alyse Rich, Vincent Ong, Simon Dexter, Pamela Brown* - “Kinetics and Purification of Microwave Induced and Conventional Synthesis of 3-Methylbutylacetate (banana oil) and Ethylacetate.”
2. Pamela Brown and Janet Liou-Mark- "The Teacher Preparation Program for Mathematics and Science Majors."

Literature, Humanities and Linguistics

1. Stephanie Smolinsky- "Sound Patterns and Meaning in Keats’ Bright Star."
3. Jane Mushabac - "Being a Writer: Writing about Women, the Coordinates of Gender and Place."
5. Charles Hirsch – “All Writing Is Technical”
Mathematics

1. Nadia Benakli - "Group actions on products of trees"
2. Ezra Halleck - "Linear Diophantine systems of equations and the Elliott-MacMahon algorithm".
3. Zhao Chen - “A Linear Homomorphism of Displacement Structured Representation.”
5. Alexander Rozenblyum - "Quantum Rotation Group and Discrete Orthogonal Polynomials"

Physics and Engineering

1. Gregory Matloff - "Perforated Light Sails and Nanotechnology."
2. Vladimir Boyko (with co-authors M. Chopra, Siu-Wai Chan, R.L. Meng, C.W. Chu) - "Microstructure design by twinning and additions in YBCO crystals for enhanced Jc at high magnetic fields."
3. Vladimir Boyko (with co-authors O. White and S. Bhaskaran) - "The atomic structure of the large-angle grain boundaries Sigma5 (misorientation angles 36.87° and 53.13°) containing oxygen and yttrium vacancies in YBCO."
5. Lufeng Leng (co-authored with Y. Wang et. al.) - “Impact of Cascaded Thin-film Filters on Metro Networks Employing NRZ, LPF-DB and CSRZ Formats.”
9. Reginald Blake (co-authored with Akini Bando, Rafael Pena) – “Local Mercury Deposition from Coal-Fired Power Plants - Case Study: Kincaid, Illinois.”

Social Science

1. Hugh Mcdonald – “Radical Value Philosophy as an Environmental Ethics.”