



NEW YORK CITY COLLEGE OF TECHNOLOGY
SCHOOL OF ARTS & SCIENCES

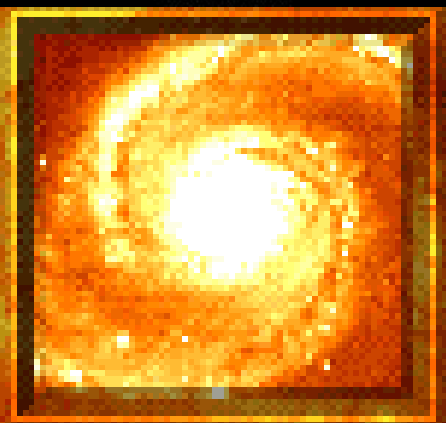
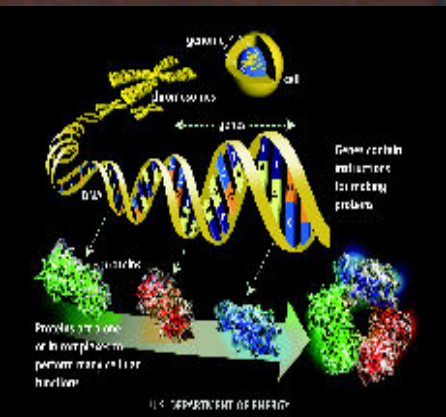
PROGRAM

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."
2. Esther Goodman- "Forverts, Forward, Forverts, Forward: The Three Lives and Languages of Jewish Immigrants' American Newspaper."
3. Jane Mushabac - "Being a Writer: Writing about Women, the Coordinates of Gender and Place."
4. Annette Saddik - "Curtains of Fire: Fragmented Representations of American Identity in the Theater of the Vietnam War."

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."
4. Urmi Ghosh-Dastidar- "A Hybrid Method for Global Optimization."
5. Alexander Rozenblyum- "Quantum Rotation Group and Discrete Orthogonal Polynomials"
6. Hans Schoutens – "Limit singularities."
7. Zhao Chen, Janet Liou-Mark and Arnavaz Taraporevala - "Exploring Calculus Using a Maple Approach."

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 J_c at high magnetic fields."
3. Vladimir Boyko (with co-authors O. White and S. Bhaskaran) - "The atomic structure of the large-angle grain boundaries Σ_5 (misorientation angles 36.87° and 53.13°) containing oxygen and yttrium vacancies in YBCO."
4. Vladimir Boyko (with co-authors R.Ya. Kezerashvili and A.M. Levine) - "Transport properties of large-angle grain boundaries containing point defects in YBCO", Phys. Rev. B, v. 69, No. 21, p.21502, 2004.
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."
6. Santhees Nadarajan, Joe W. Yeol, Yeong Ryu - "Behavior-based Path Decision and Obstacle Avoidance of Unmanned Aerial Vehicles."
7. Gilberto Valle, Joe W. Yeol, Yeong Ryu – "Autonomous Parking Algorithm of Car-like Robots with the Shortest Path."
8. Roman Kezerashvili – "Computer Based Laboratory Experiments in College Physics." Presentation of a new book.
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."
2. Costas Panayotakis – "Capitalism's Dialects of Society: Globalization and the Political Implications of Three Ecological Scenarios."