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 81 presentations of faculty and student research.

The Poster Session is generously supported by the New York City College of Technology Foundation School of Arts and Sciences.
Organizing Committee

Roman Kezerashvili – chair
Renata Budny
Candido Cabo
Boris Gelman
Sunghoon Jang
Delaram Kahrobaei
Keith Muchowski
Giovanni Ossola
Marcos Pinto,
Alexander Rozenblyum
Elizabeth Schaible
Avis Smith
Stephen Soiffer

68. Andrew Douglas - Nonunitary, indecomposable representations of the Euclidean algebra \( e(3) \).
69. Marianna Bonanome - The Existence of Uncountably Many Non-Isomorphic 3-Solvable Groups.
70. Huseyin Yuce - On the Fundamental Frequencies of Elliptical Plates.

Physics

71. Gregory L. Matloff - Solar Photon Sail Deceleration at Alpha Centauri A
73. Giovanni Ossola - Computational Methods for the LHC.
74. Vladimir Boyko - Twinning in Nanocrystals.
75. Gary Mai, Lucas Salzwedel, Oleg Berman - Discovery of Graphene.
76. Boris Gelman - Stellar Nucleosynthesis and Effective Field Theory.
77. Justin Vazquez-Poritz - The Holographic Approach to Quantum Field Theory.
78. Oleg Berman - Coherence of Polaritons in Two-Dimensional Structures.
80. Ryan Jaipaul (Mentors: Fred Moshary, Miguel Bustamante, Reginald Blake) - Monitoring the Progression of the Northeast MFRSR Network Using the NASA-GISS Calibration Algorithm to Obtain Aerosol Products.
Program of Poster Session

Welcome and Greetings
1:30 pm-1:50 pm Dr. Russell Hotzler, President
       Dr. Bonne August, Provost
       Robin Bargar, Dean of School of Technology and Design
       Dr. Pamela Brown, Dean of School of Arts and Sciences
       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

Biology
5. Maria Ter-Mikaelian - Processing of Spectrally Disrupted Communication Sounds in Primary Auditory Cortex.
7. Tatiana Voza - Mosquitoes inject less malaria parasites in the skin of immunized mice.

Business
10. Anne Zissu - Delta Hedging IO Securities Backed by Senior Life Settlements.
Chemistry
14. Noelixa Ortiz, Jean-Patrick Jerome, Peter Spellane and David Grills - Preparation of Orthometallated Rhenium Carbonyl Compounds for Possible Use in the Photocatalytic Reduction of Carbon Dioxide to Carbon Monoxide.

Computer Engineering Technology
17. Amadou Toure and Candido Cabo - Effect of Cell Size on Conduction of Cardiac Waves.
22. Iem Heng, Sandor Bocz, Michael Hernandez, David Ruffins - Equilibrium

Health Sciences
23. Patricia Cholewka - Integrating Wireless Technology into the Nursing Curriculum in a Clinical Simulation Laboratory.
27. Helen Young (Mentor: Renata Budny) - Intraoral Scanning vs. Traditional Impression Taking.
29. Sheila Pesantes (Mentor: Renata Budny) - Smile Design through Veneer Restorations.
30. Paul Chung (Mentor: Renata Budny) - Restoring Anterior Aesthetics with Indirect Composite Resin.
32. Aida L. Egues - The Relationship Between the Quality of Mentoring Experienced by Hispanic RNs and Their Level of Nursing Practice.
34. Joycelyn Dillon - Erosion? Abrasion? Abfraction?
35. Theresa Keane - Evidence-based approaches to treating co-occurring mental health and substance use disorders.
36. Margaret Rafferty - Accelerated (Second Degree) Versus Traditional BSN Program: Does Program Design Make a Difference in Clinical Performance?

Hospitality Management
37. Claire Stewart - What’s the Buzz... Tell Me What’s Happening...Documenting the First Year of a New Bee Hive.
39. Elizabeth Schaible - Down on the Farm: A Farm to Table Photo Essay of the Indiana Farmer.
40. James Reid and Susan Phillip - Brooklyn as a Tourism Destination: Past, Present and Future.

Humanities, Social Sciences and Paralegal Studies
41. Lisa Pope Fischer - Time, Ritual, and Post-Socialist Change in Hungary.
42. Hugh McDonald - Principles.
44. Shauna Vey, Victoria Lichterman - Speaking Across the Curriculum: A Faculty Commons Fellowship Project.
45. Susan Beningson - Religion and Sacred Art on the Silk Road: The Transmission of Buddhism to China and Its Assimilation as Seen in Cave-Temples at Dunhuang.
46. Eric M. Rodriguez - Identity Integration Between Sexual Orientation and Religious/Spiritual Beliefs.
48. Marissa J. Moran - The BlackBerry Legal Scholar.