44. Stacey-Jo Cocozza  
Mentor: Professor Bethany Rogers  
Department of Education  
Implementing Strategies that Address Classroom Diversity

45. Jie Pan and Yijin Xu  
Mentor: Shi Jin  
Department of Chemistry  
Synthesis and Characterization of a Series of Novel Electron-accepting Liquid Crystalline Materials

46. Alok Sarkara, Moni Chauhanb,*, and Abhishek Roccab  
Mentor: Bhanu P.S. Chauhanb,*  
Department of Chemistry, Polymer and Engineered Nanomaterials Laboratory, & The Graduate Center/CUNY  
Pt-Nanocluster Catalyzed Oxidation of Hydrosilanes: Selective Synthesis of Functional Silanols

47. Bilal Marie  
Mentor: Probal Banerjee  
Department of Chemistry  
Schizophrenia and the Effect of Antipsychotic Drugs

48. Shawn Fernando  
Mentor: Probal Banerjee  
Department of Chemistry  
Influence of the Serotonin 1A Receptor on Brain Development

49. Souleymane Diallo  
Mentor: Probal Banerjee  
Department of Chemistry  
Regulation of NFKB by 5HT1A Receptor

50. Ajda Ozyurt  
Mentor: Alexander Zaitsev  
Department of Engineering Science and Physics  
Carbon Nanowires on Diamond Substrates

51. Alex Efros  
Mentor: Bill Bauer  
Department of Performing and Creative Arts  
Rhythm and Movement Learning Assessment

52. Olga Naglyuk  
Mentor: Ralf Peetz  
Department of Chemistry  
Facile Synthesis of Silicon Containing Poly(p-phenylenevinylene) via ADMET Polymerization

53. Christine Hoffman, Vivian Lo, and Michele Ferrera  
Mentor: Guoqiang (George) Zhou  
Department of Education  
Should We Use Salt on the Sidewalk in Snow Season?

54. Joseph Takle  
Mentors: Alfred Levine and Neo Antoniades  
Department of Engineering Science & Physics  
Signal Pre-distortion Technique for Dispersion Compensation of 10 Gbps Optical Signals in Fiber

55. Gerald Helm and Sue Sarnes  
Mentor: Judit Kerekes  
Department of Education  
Mini Me* Ko’s Adventures in Measurement

56. Marina Kogan  
Mentor: Sarah Zelikovitz  
Department of Computer Science  
Mining the Web to Improve Text Classification

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Undergraduate Research Conference Committee

Jonathan Sassi  Acting Assistant Provost
Marie Anderson  Assistant to the Academic Deans
Ken Bach  Higher Education Assistant, Marketing/Communications
Katrina Caroccia  Student
Robert Clarkin  Student
Eileen Gigliotti  Professor, Department of Nursing
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Edward Meehan  Professor, Department of Psychology
Ralf Peetz  Assistant Professor, Department of Chemistry
Lana Rabinovich  Student
Gail Simmons  Dean of Science and Technology
Francisco Soto  Dean of Humanities and Social Sciences
Sarah Zelikovitz  Assistant Professor of Computer Science

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For comments and questions contact

Jonathan Sassi  
South Administration Building (1A), Room 305  
College of Staten Island  
Staten Island, NY  10314
**Conference Schedule**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:15</td>
<td>Authors and mentors lunch</td>
</tr>
<tr>
<td>1:00</td>
<td>Opening remarks by President Springer</td>
</tr>
<tr>
<td>1:30</td>
<td>Poster presentations</td>
</tr>
</tbody>
</table>

*Sponsored by the Office of the Provost with funding from the CSI Student Government, Academic and Curricular Affairs Commission, and the CSI Foundation.*
Presentations
Research Poster Presentations
Center for the Arts (1P) Atrium
1:30pm – 4:00pm

1. Mark Guterman
   Mentor: Patricia Brooks
   Department of Psychology
   Exploring the Time Course of Associative Priming and Semantic Interference in Picture Naming

2. Nathalie Torres and Karl Francis
   Mentor: Charles Liu
   Department of Engineering Science and Physics
   Studying Galaxy Light Concentration and Galaxy Mass in Elliptical Galaxies

3. Matthew Ganz
   Mentor: Susan Imberman
   Department of Computer Science
   Incremental Data Mining Algorithms

4. Katrina Caroccia, Alexandra Krawicz, and Alok Sarkar
   Mentor: Bhanu Chauhan
   Department of Chemistry
   An Unprecedented PT-Nanocluster Catalyzed One Pot, Mild, Stereoselective Synthetic Route to Functional Vinylgermanes and Vinylsilanes

5. Ken Liu
   Mentor: Zhanyang Zhang
   Department of Computer Science
   Reliability Enhancement of RFID in Retail Supply Chains

6. Andrea Batista
   Mentor: Katharine Goodland
   Department of English, Speech, and World Literature
   An Original Adaptation of Christopher Marlowe's The Tragical History of Doctor Faustus with a Concentration on the Developing of the Character Mephistophilis as the Protagonist and Tragic Hero

7. Carliann Costanzo
   Mentor: Ralf Peetz
   Department of Chemistry
   Electroluminescent Organic Conjugated Polymers

8. Marina Kogan
   Mentor: Shuqun Zhang
   Department of Computer Science
   Switching/Mixing Approach for Real-Time Object Tracking in UAV Video Sequences

9. Brenda Green
   Mentor: Kathleen M. Cumiskey
   Department of Psychology
   Expressions of Grief: Investigating Online Memorials as Bereavement Venues

10. Kristine Delillo
    Mentor: Lisa Jean Moore
    Department of Sociology, Anthropology, and Social Work
    How Sperm and Semen are Manipulated in Certain Social Constructs

11. Mark A. Stroud
    Mentor: Deborah Popper
    Department of Political Science, Economics, and Philosophy
    Cotton Agriculture as a Cause of Desettlement in the Yazoo-Mississippi Delta

12. Stephen Spinella and Zhen-Yu Tang
    Mentor: Qiao-Sheng Hu
    Department of Chemistry, College of Staten Island and Graduate Center /CUNY
    Nickel-Catalyzed Suzuki Cross-Coupling Reactions of Activated Alkenyl Tosylates

13. Anna Pik Yeung, Cheng-Guo Dong
    Mentor: Qiao-Sheng Hu
    Department of Chemistry, the College of Staten Island and the Graduate Center/CUNY
    Preparation of Bromoarenes and Alkynes for Palladium-Catalyzed Reactions

14. Fadeke Ogunbiyi and Yong Lu
    Mentor: Qiao-Sheng Hu
    Department of Chemistry, College of Staten Island and Graduate Center/CUNY
    Synthesis of Novel Ligand-Containing Polymers for Transition Metal Catalysis

15. Student: Amanda Venturi
    Mentor: Sarah Berger
    Department of Psychology
    Exploring the Perception of Speech Prosody in Autism

16. Melody Messina and Snigdha Banerjee
    Mentor: Patricia Brooks
    Department of Psychology
    Exploring the Perception of Speech Prosody in Autism

17. Alexander Trofimovsky and Margaret Conte
    Mentor: Bertram O. Ploog
    Department of Psychology
    SDRL (Successive Discrimination Reversal Learning)

18. Luisa Otalora and Jonathan Blaize
    Mentors: William J. L'Amoreaux and Robert Corin
    Department of Biology
    Terminal Differentiation of RBL-2H3 Cells in vitro

19. Renee Reddick
    Mentor: Sonia Ragir
    Department of Sociology, Anthropology, and Social Work
    Visual Monitoring between Twins: Precursor to Early Joint Activity

20. Akintunde Akinfesunmi
    Mentor: Professor Chang-Hui Shen
    Department of Chemistry
    The Study of the Effects of an ATP-dependent Chromatin Remodeling Complex on INO1 Gene Expression

21. Stephanie Ward
    Mentor: David Gerstner
    Department of Media Culture
    Aesthetic Analyses of the Work of Richard Bruce Nugent, Countee Cullen, Langston Hughes, and Other Black Gay Writers of the Renaissance
22. Kristen Lindtvedt and Steve Takach  
Mentor: Sonia Ragir  
Department of Sociology, Anthropology, and Social Work  
Improving the Quality of Behavioral Research: The Introduction of the Tracker Video-Coding Program for Observational Research

23. Patrick Donnelly  
Mentor: Deborah Sturm, PhD  
Department of Computer Science  
Root Cause Analysis for Error Reporting

24. Adrian Ramos-Rocchio  
Mentor: Matthew Solomon  
Department of English, Speech, and World Literature  
Histories of Méliès within Early Film Periodicals, Correspondences and Articles

25. Lukasz Tyborowski  
Mentor: Lihong (Connie) Li  
Department of Engineering Science and Physics  
Automatic Quantitative Analysis of Multiple Sclerosis Using MR Images

26. Matthew Starr  
Mentor: Robert Corin  
Department of Biology  
Terminal Differentiation of RBL-2H3 Cells in vitro

27. Chukwunonso Gbemudu  
Mentor: Shuiqin Zhou  
Department of Chemistry  
Fabrication of Glucose-Sensitive Cross-Linked HPC-PAA Microcapsules

28. Karamatou Yacoubou Djima  
Mentor: Andre Poje  
Department of Mathematics  
Connection between the Long-time Behavior of the Advection Diffusion Equation and the Geometry of the Underlying Chaotic Transport

29. Andrew Varriale  
Mentor: Natacha Gueorguieva  
Department of Computer Science  
Biologically Plausible Model Based on Spiking Neural Network

30. Diana Kroytor  
Mentor: Natacha Gueorguieva  
Department of Computer Science  
Blind Source Separation with Neural Networks: Demixing Sources from Mixtures with Different Parameters

31. Knut Vidar Siem  
Mentor: Natacha Gueorguieva  
Department of Computer Science  
Random Pattern Generation, Learning, and Classification

32. Matthew Lubert  
Mentor: Natacha Gueorguieva  
Computer Science Department  
Brain Dynamics Modeling via Spiking Neuron Simulator

33. Naim Glloxhani  
Mentor: Bhanu P. S. Chauhan  
Center for Engineered Polymeric Materials (CePM), Department of Chemistry, 'Pt'-Nanoparticles Catalyzed Hydrosilylation Reactions

34. Prashant Sharma  
Mentor: Bhanu P. S. Chauhan  
Department of Chemistry  
Hydrosiloxanes: Efficient Agents for Controlled Generation and Nucleation of Noble Metal Nanocrystals

35. Glenn Erski and Jitendra S. Rathore  
Mentor: Bhanu P. S. Chauhan  
Department of Chemistry  
Hydrostannation of Alkenes by Platinum Nanoclusters

36. Felicia Blakes  
Mentor: Sonia Ragir  
Department of Sociology, Anthropology, and Social Work with Judi Gardner, IBR, Infant Development, SINY  
Synchronous and Alternating Rhythmic Body Movement in Twins during the First Year of the Development

37. Lauren A. Tenneriello  
Mentor: Ying Zhu  
Department of Media Culture  
Sun Mingjin and Early Chinese Documentary Filmmaking

38. Kushal Jain  
Mentor: Charles Liu  
Department of Engineering Science and Physics  
Gini Coefficient and M20 of Galaxies and the Correlation between the Two

39. Daniel Kaplin  
Mentor: Sarah Berger  
Department of Psychology  
Thirteen-Month-Old Children Exhibit Perseverative Errors during the Locomotor A-Not-B Task

40. Dovile Norkeviciute  
Mentor: Jonathan R. Peters  
Department of Business & Research Fellow, The University Transportation Research Center – Region II  
Staten Island Bus Ridership and Station Quality

41. Brian Bergen and Kristin Kane  
Mentors: Richard Veit¹, Bala Sundaram², and Andrew Poje³  
Department of Biology¹ and Department of Mathematics²  
Use of Area-restricted Search and Local Enhancement by Antarctic Seabirds: Computer Simulations Using an Agent-based Model

42. Alisa Johnson  
Mentor: Darryl B. Hill  
Department of Psychology  
The Parent’s Perspective on Gender-Variant Children and Adolescents: Concerns, Hopes, and Joys

43. Javier Alvarez Solá and Daniel Rios-Doria  
Mentors: Bala Sundaram¹, Andrew Poje¹, and Richard Veit³  
Department of Mathematics¹ and Department of Biology³  
Critical Assessment of an Acoustical Degradation Model for Odontocete Strandings