

Student Research Posters

Development of an Inexpensive Telescope System for Very High Energy Astronomy: EL

CHEAPO

Latya Ackman, SEAS '16, Mechanical Engineering

Determining the Effectiveness of the Menikoff-Kober Porosity Model on Lunar Crater Formation

Lucas Zepetello, SEAS '16, Applied Physics

Evaluating the Monetary Health Benefit of the Current Citi Bike System and the Impact of Station Location in Areas of Different Socioeconomic Status on the Health Benefit

Masih A. Babagoli, CC '18, Biochemistry

Automated Detection of Foot-Chases in Police Body-worn Video (BWV)

Piyali Mukherjee, SEAS '16, Computer Science

Going Full Circle- From Wastewater to Biodegradable Plastic

Ranya Ahuja, SEAS '16, Materials Science & Engineering

Understanding the Amino Acid Requirements of a Simple Transmembrane Oncoprotein

Rebecca Arteaga, CC'18, Biology

Measuring "ProG"ress: Characterization of Affinity Improved Protein G Variants

Sarah Yang, SEAS '17, Chemical Engineering

Imaging of X-point turbulence in Alcator C-Mod

Sean Ballinger, SEAS '16, Applied Physics

What is Ordered Mesoporous Silica?

Shirin Dey, SEAS '16, Earth and Environmental Engineering

Role of Top Int in Ribonucleotide Removal from Mitochondrial DNA

Stephanie Michaels, SEAS'18, Biomedical Engineering

Comparative Study of Laser Scribing of SnO₂F Thin Films Using Gaussian and Top-Hat Beams

Stephanie O'Gara, SEAS '16, Mechanical Engineering

Exploring Probabilistic, Context-Specific Models of Somatic Mutations in Human Cancer

Stephanie Rager, SEAS '19, Biomedical Engineering

Chemical Vapor Deposition of Graphene on Nickel Substrates

Sydney Garay, SEAS '16, Mechanical Engineering

Impacts of Water Deficit on Groundwater Depletion

Varshini Parthasarathy, SEAS '18, Environmental Engineering

A Correlational Neural Network Model

Winston Mann, SEAS '15, Electrical Engineering

Stranger Danger: Pro-Social Behavior in Rats

Zoey Chopra, CC '18, Undecided

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The Roundness of a Tool's Cutting Edge

Adelaide Young, SEAS '17, Mechanical Engineering

Identifying the Nuclear Function of Cockayne Syndrome Proteins

Aishwarya Raja, SEAS '16, Biomedical Engineering

Analysis of Star Diblock Copolymers Designed for Biomedical Applications

Anjali Doshi, CC '16, Biophysics

A Deep Observation of Gamma-ray Emission from Cassiopeia A using VERITAS

Augusto Ghiotto, CC '16, Physics

Structured Light Sheet Microscopy for High-speed, Volumetric Imaging

Charles H. Liang, SEAS '18, Applied Physics

Spectrum Occupancy/Dynamic Range Measurements

Christopher J. Kunkel, SEAS '17, Electrical Engineering

Modified Coffee Rings for I-D Conductivity

Christina Michaels, SEAS '17, Chemical Engineering

Development of Fluorescent Variants of HIV

Cosmas Sibindi, SEAS '17, Biomedical Engineering

Mechanosensor in Integrin Signaling: The emerging role of EGFR

Cynthia Hajal, SEAS '16, Mechanical Engineering

Area-Efficient Hardware Design of a Tunable Digital Filter for Ultra-High Density Neural

Recording Systems

Daniel Sawyer, SEAS '16, Electrical Engineering

Modeling Fundamental Scattering Patterns

Erica Yee, SEAS '17, Materials Science and Engineering

Initiating and Characterizing Cartilage Damage under Physiologic Loading Conditions

Ashley Hyeon Jin Koo, CC '18, Biochemistry

Screening of Vitamin D Derivatives Using a Yeast Two Hybrid System

Hyunwook Lee, CC '18, Biochemistry

Recommendations for Items Using Web Crawl Techniques, Tag Cluster Data, Cosine Similarity

Calculation, and Wikipedia Title Matching

James Xue, SEAS '17, Computer Science

Enabling 5/Next-G Wireless Communications with Energy-Efficient Rapid Spectrum Sensors

Jeffrey Yuan, SEAS '16, Electrical Engineering

Hungry Hearts: Histone Deacetylase Regulation of Autophagy

Keylee Wedderburn-Pugh, CC '18, Biochemistry

Parameter Estimation Analysis of PRANDTL 2 Flight Data

Keenan Albee, SEAS '17, Mechanical Engineering