Student Salary: Modeling Wave Propagation in Elastic Solids Using a Cellular Automata Approach with Non-Conforming Meshes
Jeremy Simpson Mechanical Engineering (ME) Michael Saxmy Mechanical Engineering

Student Salary: Photostatic Guidance and Pattern Formation of Bric Shrimp
Krisma Singh Physics (PHYS) Krinsky Fenton Physics

Student Salary: Highly Specific and Sensitive Detection of Ebola Virus from Body Fluids
Daisy Smith Biomedical Engineering (BMED) Philip Santangelo Biomedical Engineering

Student Salary: The Effect of Microbreaks on Fatigue and Work Performance
Claire Jiang Psychology (PSY) Howard Phkas Psychology

Shoung Schiere Economics (ECON) Willie Belton Economics

Student Salary: GoT to ADH: Complete Redesign of Glucose Dehydrogenase to Alcohol Dehydrogenase
Lambros Tassoulias Biochemistry (BCHE) Bethena Bommaruss Chemical and Biomolecular Engineering

Student Salary: Finding fish in an aquatic desert: How crawling copepods detect their next phytoplankton meal
Jaeyun Taylor Biology (BIO) Jeanette van den Bossen Biology

Student Salary: The Phytopathier: a Python-based software platform for automated patch-clamping of cells in living brain tissue
Leonard Tsai Computer Engineering (CMPE) Craig Forret Biomedical Engineering

Student Salary: Designing an In-Home Scalable Robot Arm for Hand Rehabilitation Therapy
Jonathan Tuck Electrical and Computer Engineering (ECE) Alyaithi Mohirad Electrical and Computer Engineering

Student Salary: Adhesion Based Separation of Cancer Cell Populations
Austin Vogel Mechanical Engineering (ME) Andres Garcia Mechanical Engineering

Student Salary: Genetic Characterization of in Vitro Blood Brain Barrier Models
Cole Walker Mechanical Engineering (ME) Yingtai Am Mechanical Engineering

Student Salary: Delayed Treatment of Critically-affected Bone Defects in a Rat Model of Chronic Non-union
Boao Xu Mechanical Engineering (ME) Robert Goldberg Mechanical Engineering

Student Salary: Vascular Analyis following Blood-Brain Barrier Modulation around Intracortical Electrodes
Van Yarabara Biomedical Engineering (BMED) Ravi Bellamkonda Biomedical Engineering

Student Salary: Investigating the possibility of transforming a conventional inkjet printer into a 3D printer for low-cost fabrication of functional assemblies with conductive and shape memory features
Dong Yeon Yoo Mechanical Engineering (ME) H. Jerry Qi Mechanical Engineering

Student Salary: Influence of Surface Energy on the In-plane and Tilt-plane Polarization Thresholds for Carbon Nanotube Thin-Films
Yumeng Zhang Materials Science and Engineering (MSE) Rosariho Gierzhardt Materials Science and Engineering

Student Salary: Engineering Genetic Algorithms for Automatic PHP Penetration Testing
Jialing Zhu Computer Science (CS) Alexander Djuro Computer Science

Student Salary: The Role of Shockwave Generated from an Expanding Flat Ultrasonic Vibration Source for the Optimization of Sentin...
Ananyavvessa Arulkumar Biomedical Engineering (BMED) Susan Thomas Mechanical Engineering

Student Salary: Computer-Aided Design of a Micro-Flue Valve with Increased Polarity in Magnetic Displacement
Sheridan Carroll Biomedical Engineering (ME) Aji Yoganathan Biomedical Engineering

Student Salary: Combinational Electroconjugate Membrane for Spatial Control of Bone Regeneration
Catherine Chou Biomedical Engineering (BMED) Robert Goldberg Biomedical Engineering

Student Salary: Biomechanical Characterizations of Uvealms and Healthy White Blood Cells to Develop a New Diagnostic Technique
Katherine Crossford Biomedical Engineering (BMED) Todd Suckst Mechanical Engineering

Student Salary: Development of a Biocompatible, Peptide-Based CuAAC Catalyst
Lindsay Dahera Biochemistry (BCHE) M.G. Fren Chemistry and Biochemistry

Student Salary: Identifying Uncertainties in Diesel Spray Rate-of-Momentum Transients under Elevated Back Pressure
John Falkner Mechanical Engineering (ME) Caroline Genval Mechanical Engineering

Student Salary: The Effect of Halogenation of Erythrosine B on Amyloid-Beta 40 Oligomer Aggregation and Neurotoxicity in Alzheimer's Disease
Alex George Biochemistry (BCHE) Michael Deuts Biomedical Engineering

Student Salary: Leveraging informatics to assess the SOD1 G93A amyotrophic lateral sclerosis mouse model
Renaid Kim Biomedical Engineering (BMED) Cassie Mitchell Biomedical Engineering

Student Salary: Leveraging informatics to assess the SOD1 G93A amyotrophic lateral sclerosis mouse model
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Student Salary: Molecular Dynamics Simulation of Lipid Bilayer Consisting of DPPC and Mpsc: Effect of Configuration
Young Kang Biomedical Engineering (BMED) Seung Soon lang Materials Science and Engineering

Student Salary: The Effect of Halogenation of Erythrosine B on Amyloid-Beta 40 Oligomer Aggregation and Neurotoxicity in Alzheimer’s Disease
Joy Kim Biomedical Engineering (BMED) Seung Soon lang Materials Science and Engineering

Student Salary: Modeling wrinkled-assisted assembly of ordered nanoparticles and nanorods on a wavy substrate
Keewon Lee Biomedical Engineering (BMED) Seung Soon lang Materials Science and Engineering

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Keewon Lee Biomedical Engineering (BMED) Seung Soon lang Materials Science and Engineering

Student Salary: High-Throughput Testing of Stress Corrosion Cracking Susceptibility in 7030 Aluminum Alloys
Manika Manu Materials Science and Engineering (MSE) Richard Neu Mechanical Engineering

Student Salary: Expansion of Chondrocyte Cells on Decellularized Extracellular Matrix Derived Microcarriers
Elizabeth Merr Biomedical Engineering (BMED) Robert Goldberg Biomedical Engineering

Student Salary: Delayed Microwelding: Accelerated Alloy Formation in High Density Neuronal Human iPSC Cultures
William Mcalister Biomedical Engineering (BMED) Todd McDevitt Biomedical Engineering

Student Salary: Drifting Artificial Neural Networks to Process Processing-Microstructure Relationships in Inns...
Hayden McLeod Materials Science and Engineering (MSE) Richard Neu Mechanical Engineering

Student Salary: Two Close Contacts: A New Palate Bone Anchor
Shabery Olber Earth and Atmospheric Sciences (EAS) Kim Cole Earth and Atmospheric Sciences

Student Salary: In-House Lithium Ion Energy Storage Utilizing the Surface Redox Reactions in Folded Graphene Films
Jong Hoo Park Mechanical Engineering (ME) Seung Soon lang Materials Science and Engineering

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<table>
<thead>
<tr>
<th>Travel</th>
<th>Title</th>
<th>Authors</th>
<th>Departments</th>
<th>Advisors</th>
<th>Fields</th>
</tr>
</thead>
<tbody>
<tr>
<td>Travel</td>
<td>Incorporation of Poly[ethylene-glycol] Based Microspheres with Tunable Size and Degradation into Chondrocytic Cell Aggregates</td>
<td>Brandon Philbrick</td>
<td>Biomedical Engineering (BMED)</td>
<td>Jishna Temenoff</td>
<td>Biomedical Engineering</td>
</tr>
<tr>
<td>Travel</td>
<td>Optimization And Characterization OF IRPEG For Use In NIR Imaging OF The Lymphatic System</td>
<td>Mindy Fox</td>
<td>Biochemistry (BCHM)</td>
<td>Brandon Dixon</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Travel</td>
<td>Carbon nanotubes-mediated reduction of hematite by Shewanella oneidensis MR-1</td>
<td>Kanaha Shoj</td>
<td>Environmental Engineering (ENVE)</td>
<td>Yuanzhi Tang</td>
<td>Earth and Atmospheric Sciences</td>
</tr>
<tr>
<td>Travel</td>
<td>Toward a new spacecraft optimal design lifetime? Impact of cost of durability and reduced launch cost</td>
<td>Kaah Kealagrove</td>
<td>Aerospace Engineering (AS)</td>
<td>Joseph Salah</td>
<td>Aerospace Engineering</td>
</tr>
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<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Travel</td>
<td>On foreclosure rates and the house price index: A cross-sectional analysis</td>
<td>Shuang Juhao</td>
<td>Economics (ECON)</td>
<td>Shailakshu Bhongde</td>
<td>Economics</td>
</tr>
<tr>
<td>Travel</td>
<td>Biomechanical characterizations of leukocytes and healthy white blood cells to develop a new diagnostic technique</td>
<td>Cory Turbyfield</td>
<td>Biomedical Engineering (BMED)</td>
<td>Todd Sulchek</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Travel</td>
<td>Designing for a Rural Online Learning Community</td>
<td>Aditya Vishwanath</td>
<td>Computer Science (CS)</td>
<td>Neha Kumar</td>
<td>Interactive Computing</td>
</tr>
<tr>
<td>Travel</td>
<td>Modulation Of The Canonical Wnt Pathway Affects The Morphology OF hiPSC 3D Aggregates</td>
<td>Nicole Victor</td>
<td>Biomedical Engineering (BMED)</td>
<td>Melissa Kemp</td>
<td>Biomedical Engineering</td>
</tr>
<tr>
<td>Travel</td>
<td>Probing the Efficacy of Transwells and Spheroids as In Vitro Models of the Blood Brain Barrier</td>
<td>Cole Weiler</td>
<td>Mechanical Engineering (ME)</td>
<td>Yong Tae Kim</td>
<td>Mechanical Engineering</td>
</tr>
<tr>
<td>Travel</td>
<td>MuSync: A Smart Glove That Balance Personal Safety and Music Control in Urban Environment</td>
<td>Ruiqing Zhang</td>
<td>Industrial Design (ID)</td>
<td>James Hallam</td>
<td>Industrial Design</td>
</tr>
</tbody>
</table>