

2015 Undergraduate Research Day Posters

| No. | First Name | Last Name | Faculty Last | College | Faculty Department | Title |
|-----|------------|------------|--------------|---------|------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| 1 | Yanelly | Alonso | Hernandez | CLASS | Health & Human Performance | Community Outreach: Addressing Community Needs and Providing Practical and Applied Research Experiences |
| 1 | Misha | Chishty | Hernandez | CLASS | Health & Human Performance | Community Outreach: Addressing Community Needs and Providing Practical and Applied Research Experiences |
| 2 | Donya | Iranpoor | Paloski | CLASS | Health & Human Performance | Virtual reality as a medium for sensorimotor adaptation training and spaceflight countermeasures |
| 3 | Yasmine | Marquez | Hernandez | CLASS | Health & Human Performance | Community Voice Project: Addressing Homelessness and Food Insecurity |
| 4 | Cheryl | Woolf | Hernandez | CLASS | Health & Human Performance | Adding Social Services to Food Pantries as a Way to Address Community Needs and Pantry Barriers |
| 5 | Taylor | Moree | Hernandez | CLASS | Health & Human Performance | Is Summer an Evil Time for Children's Body Composition? |
| 6 | Angelina | Beitzel | Ledoux | CLASS | Health & Human Performance | A parent focused approach to developing healthy eating behaviors among toddlers: A feasibility study |
| 7 | Jessica | Robinson | Ledoux | CLASS | Health & Human Performance | Effect of intuitive eating on gestational weight gain |
| 8 | Ashley | Jones | Ledoux | CLASS | Health & Human Performance | Pilot clinical trial of repeated doses of Macimorelin to assess safety and efficacy in patients with cancer cachexia |
| 9 | Gina | Vaidya | Cottingham | CLASS | Health & Human Performance | Understanding Attitudes Towards Athletes with Disabilities |
| 10 | Lena | Younes | Gorniak | CLASS | Health & Human Performance | Assessment of Hemodynamic Function During Motor Hand and Finger Tasks in Healthy Young Adults |
| 11 | Robin | Pham | Layne | CLASS | Health & Human Performance | Gait Pattern Characterization of Rett Syndrome Patients |
| 12 | Naomi | Alphonso | Alfano | CLASS | Psychology | Sleep Restriction and its Effects on Children's Emotional Memory |
| 13 | Julia | Najm | Alfano | CLASS | Psychology | Sleep and Interpretation Biases in Youth at Risk for Anxiety |
| 14 | Denitza | Dramkin | Yoshida | CLASS | Psychology | The Effects of Mothers' Speech Styles on Infants' Attention to Novel Words |
| 15 | Kristina | Havens | Hernandez | CLASS | Psychology | Effects of Language Learning Context on Fluency in Second Language English Speakers |
| 16 | Marinna | Melchor | Hernandez | CLASS | Psychology | Relationship Between Bilingualism, Socioeconomic Status, and Task Switching |
| 17 | Samantha | Noel | Ferenc | CLASS | Communication Sciences & Dis | Speech Development of Bilingual and Monolingual Children with Cochlear Implants |
| 18 | Jennie | Ho | Lu | CLASS | Psychology | The Mediating Role of Social Support on the Ambivalence Over Emotional Expression And Mental Well-Being |
| 19 | Guadalupe | San Miguel | Zvolensky | CLASS | Psychology | The Relationship between HIV Related Symptoms and Anxiety and Mood Disorders among Persons Living with HIV/AIDS |
| 20 | Robyn | Douglas | Sharp | CLASS | Psychology | The Relation Between Suicidal Ideation, Perceived Burdensomeness, and Financial Stress in Adolescent Inpatients |
| 21 | Alexandria | Mackzum | Brown | CLASS | Sociology | Identifying a Correlation Between Varying Types of Support and Adjustment Disorders in Trailing Spouses of Corporate Transferees |
| 22 | John | Hounihan | Rhoden | HON | Leadership Studies | Mapping Honors Student Success: First Year Initiatives and the Freshman Experience |
| 23 | Troy | Loftin | Armstrong | HON | Classical Studies | Sir Peter Hall's Oresteia: A Play Stuck Between Times |
| 24 | Ariana | Peruzzi | Morrisson | HON | Philosophy | Dreams, Art, and Nietzsche's Value-Creation |
| 25 | Bianca | Salinas | Duran | CLASS | English | Cognitive Dynamics in Code-Switching: The Case of Latin-Based Languages |
| 26 | Jacob | Roman | Guenther | HON | History | Persecution of German Texans during WWI |
| 27 | Maria | Ferreira | Aleman | CLASS | Political Science | Paths to Power Among Female Presidents in Latin America |
| 28 | Justin | Sodipe | Granato | CLASS | Political Science | Macroeconomic Stability |
| 29 | Joshua | Freed | Hallmark | HON | Political Science | Stoicism, Democracy, and Cold War Peace Rhetoric |
| 30 | Ye-Jin | Song | Zhivan | CLASS | Economics | Impact of Pap Testing and Mammography Guidelines on Preventative Care Screening |
| 31 | Brittany | Falcon | Moges | TECH | Engineering Technology | ReptEco: Smart Reptile Habitat System |
| 31 | Ohana | Lima | Moges | TECH | Engineering Technology | ReptEco: Smart Reptile Habitat System |
| 31 | Xiaohua | Liu | Moges | TECH | Engineering Technology | ReptEco: Smart Reptile Habitat System |
| 31 | Hector | Vides | Moges | TECH | Engineering Technology | ReptEco: Smart Reptile Habitat System |
| 31 | Zhipan | Xiong | Moges | TECH | Engineering Technology | ReptEco: Smart Reptile Habitat System |
| 32 | Santos | Galvan | Moges | TECH | Engineering Technology | Sober Wheel |
| 32 | Ruth | Garcia | Moges | TECH | Engineering Technology | Sober Wheel |
| 32 | Alexander | Jamora | Moges | TECH | Engineering Technology | Sober Wheel |
| 32 | Sergio | Rodriguez | Moges | TECH | Engineering Technology | Sober Wheel |
| 32 | Robert | Trenary | Moges | TECH | Engineering Technology | Sober Wheel |
| 33 | Terrance | Garr | Moges | TECH | Engineering Technology | iGuide |
| 33 | Cameron | Mace | Moges | TECH | Engineering Technology | iGuide |
| 33 | Ugonna | Odenigwe | Moges | TECH | Engineering Technology | iGuide |
| 33 | Jasmine | Thomas | Moges | TECH | Engineering Technology | iGuide |
| 33 | Daniel | Vandagriff | Moges | TECH | Engineering Technology | iGuide |

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| 34 | Tung | Nguyen | Moges | TECH | Engineering Technology | Project SLIP |
| 34 | Alan | Ochoa | Moges | TECH | Engineering Technology | Project SLIP |
| 34 | Zachary | Oakes | Lancaster | TECH | Engineering Technology | Project SLIP |
| 34 | Edgar | Tamez | Moges | TECH | Engineering Technology | Project SLIP |
| 35 | Kristopher | Reaves | Pascali | TECH | Engineering Technology | Design Considerations for the FSAE Senior Design Project, SWRV Racing |
| 35 | Steven | Vaughn | Pascali | TECH | Engineering Technology | Design Considerations for the FSAE Senior Design Project, SWRV Racing |
| 36 | Robert | Dehghan | Benhaddou | TECH | Engineering Technology | Autonomous Pool Chemical System |
| 36 | Guillermo | Gimenez | Benhaddou | TECH | Engineering Technology | Autonomous Pool Chemical System |
| 36 | Manuel | Reyes | Benhaddou | TECH | Engineering Technology | Autonomous Pool Chemical System |
| 36 | Omar | Vazquez | Benhaddou | TECH | Engineering Technology | Autonomous Pool Chemical System |
| 36 | Jose | Viera | Benhaddou | TECH | Engineering Technology | Autonomous Pool Chemical System |
| 37 | Aqib | Hasnain | Alba | TECH | Engineering Technology | Displacement Flow of Miscible Fluids in an Inclined Pipe |
| 38 | Sara | Khalil | Yuan | TECH | Engineering Technology | Micro DMFC for Wireless Sensor Network |
| 39 | Sunil | Shahani | Zouridakis | TECH | Engineering Technology | Google Glass as a Diagnostic for Melanoma |
| 40 | Alejandra | Cerda | Iken | TECH | Biotechnology | Identification and Degradation Analysis of Pseudomonas Sp. |
| 41 | Ebangha | Tanyi | Iken | TECH | Biotechnology | Methyl Parathion Degradation in Citrobacter freundii and Pseudomonas aeruginosa |
| 42 | Radhika | Khanna | Iken | TECH | Biotechnology | ATP Citrate Lyase links Mitochondrial Function and Protein Turnover in the Heart |
| 43 | Gabriella | Conrado | Iyer | TECH | Biotechnology | Organophosphorus Compound Degradation and Identification of Unknown Bacterial Samples |
| 44 | Navya | Kartha | Iyer | TECH | Biotechnology | Metagenomic Analysis of Soil Microbes and Degradation Genes |
| 45 | Thao | Do | Burns | OPTO | Optometry | The Effect of Metabolic Syndrome on Cornea |
| 46 | Ahad | Azimuddin | McConnell | PHARM | Pharmaco & Pharmaceut Sci | Cardiac Calcium Cycling In Fortilin Deficient Mice |
| 47 | Moawiz | Saeed | McConnell | PHARM | Pharmaco & Pharmaceut Sci | Cloning Human mAkap Mutations into Lentiviral Vectors for Expression in Cardiomyocytes |
| 48 | Adelle | Flores | Eriksen | PHARM | Pharmaco & Pharmaceut Sci | The Role of Prostacyclin in Alzheimer's Disease |
| 49 | Munjer | Hashim | Zweig | ARCH | Architecture and Design | Foam + Block: A Study on Foam Building Methods |
| 50 | Matt | Caballero | Qureshi | ARCH | Interior Architecture | Accelerated Exodus |
| 51 | Jasmin | Carranza | Qureshi | ARCH | Architecture and Design | Recharging Community and Space in Fifth Ward |
| 52 | Quan | Dang | Qureshi | ARCH | Architecture and Design | Satisfying Human Needs: A Space Of JW Peavy Center's Senior |
| 53 | Nicholas | Janho | Qureshi | ARCH | Architecture and Design | Reactivating a Piece of History: The Peavy Senior Center |
| 54 | Jeannice | Macklin | Qureshi | ARCH | Architecture and Design | Nurturing from the Roots |
| 55 | Silvia | Martinez | Qureshi | ARCH | Architecture and Design | Manifesting Identity: Activating People, Space and Memory in the Fifth Ward's JW Peavy Senior Center |
| 56 | Jamie | Newcomb | Qureshi | ARCH | Architecture and Design | Spatially Investing In Our Future: JW Peavy Senior Center |
| 57 | Ciera | Perkins | Qureshi | ARCH | Architecture and Design | Generating Enthusiastic Participation: A Look Into an Activated Space |
| 58 | Logan | Scott | Qureshi | ARCH | Architecture and Design | Revitalization of a Community Sanctuary |
| 59 | Han | Dang | Qureshi | ARCH | Architecture and Design | Re-activating Home Away From Home |
| 60 | Vy | Truong | Qureshi | ARCH | Architecture and Design | Preservation |
| 61 | Dylan | Bailey | Feng | ARCH | Industrial Design | PIXL |
| 61 | Aaron | McEuen | Feng | ARCH | Industrial Design | PIXL |
| 62 | Adriana | Ayala | Kwon | ARCH | Industrial Design | UNO |
| 63 | Jessica | Hedge | Kwon | ARCH | Industrial Design | Design on Foreign Grounds |
| 64 | Micah | Simon | Kwon | ARCH | Industrial Design | Embodying East and West |
| 65 | Garret | Couture | Do | NSM | Chemistry | Developing a Biocompatible Click Reaction |
| 66 | Miguel | Ibanez | Do | NSM | Chemistry | Catalytic hydrogenation using Iridium complex |
| 67 | Dillon | Kopeccky | Baldelli | NSM | Chemistry | Gold Single Crystal Electrodes as a Support for Cobalt Monolayers to Study the Electrochemical Evolution of Oxygen |
| 68 | Linh Quang | Le | Teets | NSM | Chemistry | Photophysical Characteristics of Cyclometalated Iridium Complexes |
| 69 | Rosa | Maya | Teets | NSM | Chemistry | Cyclometalated Iridium Complexes with Fluorinated β -ketoiminate and β -diketiminato Ligands |
| 70 | Yousf | Radwan | Teets | NSM | Chemistry | Electron Modification of Cyclometalated Iridium Complexes with Substituted β -ketoiminate and β -diketiminato Ligands |
| 71 | Nada | Qari | Lubchenko | NSM | Chemistry | Understanding Structure Diversity of Chalcogenide Alloys of Potential Use In Computer and Optical Technology |
| 72 | Nayana | Ramachandra | Bott/Devaraj | NSM | Chemistry | Novel ELISA Protocol to Detect Anti-BSEP Antibody in Serum |
| 73 | Cynthia | Yusuf | Bott | NSM | Chemistry | An Analysis of the Electrostatic Binding Energies of of Farnesyl-Galectin-CaaX-Ras and Salirasib-Galectin-CaaX-Ras Bound Complexes |
| 74 | Anjay | Batra | Bott | NSM | Chemistry | Electrostatic Component of Binding Free Energy Illuminates Interactions Between SRC3 and Androgen Receptor |

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| 75 | Francis | DeBenedictis | Bott | NSM | Chemistry | Perilipin 5's Role in Lipid Storage Mechanisms for Skeletal Muscle |
| 76 | Callum | Byers | Copeland | NSM | Earth & Atmospheric Sci | Paleogeography of the Southern Rockies: Evidence from SW New Mexico |
| 77 | Jarret | Garber | Hall | NSM | Earth & Atmospheric Sci | Modeling Gravity Data in Luna County, New Mexico |
| 78 | Sabrina Ingrid | Hulipas | Talbot | NSM | Earth & Atmospheric Sci | Wintertime O3 Pollution in Houston from Intrusions of Warm Tropical Air |
| 79 | Andrew | Phillips | Snow | NSM | Earth & Atmospheric Sci | Alkaline Igneous Intrusions from Sharkey County, Mississippi |
| 80 | Matthew | Copley | Stewart | NSM | Earth & Atmospheric Sci | Reinventing the Wheel... As a Seismic Motion Sensor |
| 81 | Sabrina | Martinez | Mann | NSM | Earth & Atmospheric Sci | Effect of sea level change on the extent of the shorelines of the Caribbean during the height of the Last Glacial Maximum (26.5 Ka) |
| 82 | Derek | Scott | Mann | NSM | Earth & Atmospheric Sci | Structural characterization of the South Gabon Basin passive-margin fold and thrust belt from 2D seismic interpretation |
| 83 | Andrew | Steier | Mann | NSM | Earth & Atmospheric Sci | Evaluation of Previously Published Kinematic Plate Models for the Opening of the South Atlantic Ocean using a GIS Compilation of Geologic and Geophysical Information |
| 84 | Sarah | Chehade | Tomforde | NSM | Mathematics | Ranking Methods for Multi-Player Competitions |
| 85 | Nicholas | Troutman | Kilpatrick | NSM | Mathematics | Two Choice Decisions with Shared Information |
| 86 | Saul | Acevedo | Cheung | NSM | Physics | High-throughput quantification of frustration in protein interaction networks |
| 87 | Lenaya | Flowers | Cheung | NSM | Physics | Understanding Binding Peptide Design Using a Synthesis of Evolution and Energetic Frustration |
| 88 | Will | Harrison | Cheung | NSM | Physics | Operating Principles of Coupled Cellular Decision Making |
| 89 | Rodney | Helm | Cheung | NSM | Physics | Effect of Mutations on CaM-Target Association Dynamics |
| 90 | Brian | St. Hilaire | Cheung | NSM | Physics | The Meta 3D Genome Project |
| 91 | Joseph | Hernandez | Li | NSM | Physics | Investigating the Seasonal Variability of Winds on Saturn |
| 92 | Ziba | Colah | Frigo | NSM | Biology & Biochemistry | The Regulation of Glycolytic Enzymes in Prostate Cancer |
| 93 | Alexander | Pham | Frigo | NSM | Biology & Biochemistry | The Role of Autophagy and Transcriptional Factor E-Box in the Progression of Prostate Cancer |
| 94 | Sonakshee | Shree | Frigo | NSM | Biology & Biochemistry | Androgens regulate autophagy in GFP-LC3 transgenic mice |
| 95 | Sheiva | Vakili | Frigo | NSM | Biology & Biochemistry | Targeting Androgen Receptor Mediated Sugar Metabolism In Prostate Cancer Through Inhibition Of Glucose Transport |
| 96 | Cara | Riffe | Ziburkus | NSM | Biology & Biochemistry | Adenosine A1 receptor agonist reduces mortality and autistic-like comorbidities in Dravet syndrome model |
| 97 | Jennifer | Reiss | Roman | NSM | Biology & Biochemistry | Mimicking Sleep Deprivation through Gene Manipulation |
| 98 | Wissam | Harmouch | Roman | NSM | Biology & Biochemistry | Analysis of Ecological Specialization and Factors That Possibly Lead to the Loss of Exploration |
| 99 | Sadia | Tasnim | Kelleher | NSM | Biology & Biochemistry | Does DNA Damage Caused by P Element Lead to Cell Death (Apoptosis) and/or Cell Cycle Arrest in Drosophila Oogenesis? |
| 100 | Yasmina | Fayed | Newman | NSM | Biology & Biochemistry | CAR T-Cell Phenotyping |
| 101 | Glenn | Frutiz | Bawa-Khalfe | NSM | Biology & Biochemistry | Role of Androgen Receptor and its SUMOylation in MCF7 and G1101A Breast Cancer proliferation |
| 102 | Barbara | Nassif Rausseo | Knapp | NSM | Biology & Biochemistry | Circularly permuted bacteriophytochromes: directed evolution and development of a protein purification strategy |
| 103 | Alexis | Carr | Pattison | NSM | Biology & Biochemistry | Functionalizing protein-based materials with gold nanoparticles for biosensor applications |
| 104 | Hoang | Luu | Tate | NSM | Biology & Biochemistry | The Cost of Immunity on Fecundity Evolution in Infected Populations |
| 105 | Gabriella | Olson | Widger | NSM | Biology & Biochemistry | Study of Dormancy in <i>Micrococcus luteus</i> |
| 106 | Susan | Renaud | Frankino | NSM | Biology & Biochemistry | Evolutionary History and the Developmental Environment Interact in Complex Ways to Affect Fitness Across Thermal Environments |
| 107 | Rafael | Polo | Ostrowski | NSM | Biology & Biochemistry | Evidence Suggesting Recombination Between Tiger Genes in the Social Amoeba <i>Dictyostelium Discoideum</i> |
| 108 | Bilal | Tariq | Zufall | NSM | Biology & Biochemistry | Mechanism of Uneven Sex Ratios in <i>Tetrahymena thermophila</i> |
| 109 | Juan | Cuellar | Pennings | NSM | Biology & Biochemistry | Development of Orthopteran-Plant Food Webs in Coastal Prairie Communities |
| 110 | Kristina | Duan | Cooper | NSM | Biology & Biochemistry | Mechanism and Fitness Benefits of Pyruvate Kinase, a Recurrent Target of Evolution |
| 111 | Simon | Powell | Ziburkus | NSM | Biology & Biochemistry | Modeling Spreading Depression |
| 112 | Arlen | L'Anglois | Johnson | BUSI | Decision & Information Sciences | Sentiments and Going Viral - Insights from YouTube Music Videos |
| 113 | Andrew | Bahlmann | Felvegi | BUSI | Management Information Systems | Real World vs. Digital World Ethical Values |
| 114 | William | Solomon | Anderson-Fletcher | BUSI | Supply Chain Management | Teacher Bonuses and Standardized Test Scores |
| 115 | Lauren | Potter | Olvera | COE | Community Health | Educational Needs of Cancer Survivors Living in their Communities |
| 116 | Leilina | Ayalew | Olvera | COE | Psych, Health, & Learning Sci | Availability and Usage of Technology Among Early Adolescent Hispanic Girls |
| 116 | Susan | Renaud | Olvera | COE | Psych, Health, & Learning Sci | Availability and Usage of Technology Among Early Adolescent Hispanic Girls |
| 117 | Nisha | Ghayalod | McQuillin | COE | Psych, Health, & Learning Sci | Paternal Caretakers' Acceptability of Off-Label Prescribing for Children with ADHD |
| 118 | Staci | Ouch | Smith | COE | Psych, Health, & Learning Sci | Racial Disparities in Cigarette Smoking among Lesbian, Gay, and Bisexual Adults |
| 119 | Edna | Paredes | Reitzel | COE | Psych, Health, & Learning Sci | Improving the Implementation of a Tobacco-free Workplace Policy at Mental Health Treatment Facilities |
| 120 | Monique | Hall | Neal | HILTON | Hotel and Restaurant Mgt | What's In Your Salad? |
| 121 | Taylor | Hinchliffe | Wu | ENGR | Biomedical Engineering | PLGA-based Drug Delivery System for Targeting B Lymphoma Cells |
| 122 | Achuth | Nair | Larin | ENGR | Biomedical Engineering | Corneal Elastic Anisotropy and Hysteresis as a Function of IOP Assessed by Optical Coherence Elastography |

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| 123 | Juan | Reyna | Ince | ENGR | Biomedical Engineering | An Embedded Platform for Bio-signal Acquisition and Generation |
| 124 | Aubrey | Swilling | Mohan | ENGR | Biomedical Engineering | Serum NGFR as a Marker for Disease Activity in Rheumatoid Arthritis |
| 125 | Marwa | Kharboutli | Mohan | ENGR | Biomedical Engineering | Identification of Novel Protein Biomarkers for Inflammatory Bowel Disease Using Antibodies Microarrays |
| 126 | Mustafa | Ali | Epling | ENGR | Chemical & Biomolecular Engr | Effect of SO ₂ on NH ₃ Oxidation in NH ₃ -SCR Over Cu Exchanged Catalyst |
| 127 | Ashwin | Antony | Rimer | ENGR | Chemical & Biomolecular Engr | Phase Behavior Study in Zeolite ZSM-11 Synthesis |
| 128 | Matthew | Patton | Rimer | ENGR | Chemical & Biomolecular Engr | Effect of Interzeolite Conversion on Aluminum Zoning in ZSM-5 Catalyst |
| 129 | Anisleidys | Garcia | Krishnamoorti | ENGR | Chemical & Biomolecular Engr | Improving Oil Recovery Using Functionalized Nanoparticles |
| 130 | Priya | Patel | Cirino | ENGR | Chemical & Biomolecular Engr | Computational Modeling and Design of AraC Variant Effector Specificity |
| 131 | Trang | Vo | Balakotaiah | ENGR | Chemical & Biomolecular Engr | Thermodynamic Analysis of Methane Oxidative Coupling |
| 132 | Tara | Mars | Conrad | ENGR | Chemical & Biomolecular Engr | Flow and Transport of Complex Fluids in Porous Media |
| 133 | Cesar | Gonzalez | Hu | ENGR | Electrical & Computer Engr | Reactivity of Cr-doped Fe(OH) ₃ for Organic Pollutant Degradation: Synthesis and Characterization |
| 134 | Anna | Milani Brugna | Gencturk | ENGR | Electrical & Computer Engr | Behavior of Column Base-Plate Connections in Low-Rise Metal Buildings |
| 135 | Trevor | Walker | Li | ENGR | Electrical & Computer Engr | Self-Healing Concrete |
| 136 | Kaysheva | Chamupathi | Yao | ENGR | Electrical & Computer Engr | Heavily n-Dopable π -Conjugated Redox Polymers with Ultrafast Energy Storage Capability |
| 137 | Pietro Antonio | Cicalese | Sheth | ENGR | Electrical & Computer Engr | The Impact of High and Low Level Semantic Repetition on Human Focus |
| 138 | Zhenyu | Hu | Shih | ENGR | Electrical & Computer Engr | Measuring Malachite Green on Modified Cicada Wings |
| 139 | Nancy | Ibarra | Long | ENGR | Electrical & Computer Engr | Polarization-Dependent Terahertz Plasmonic Structures |
| 140 | Tarek | Ghoneim | Kulkarni | ENGR | Mechanical Engineering | Zener Pinning: Strengthening Nanomaterials |
| 141 | Munib | Hasnain | Ghasemi | ENGR | Mechanical Engineering | Improving Efficiency of Membrane-Based Water Desalination Using Graphene Flakes |
| 142 | Jeffrey | Hong | Ardebili | ENGR | Mechanical Engineering | REEL CUBE Project - A Customizable User Based Electronics Platform with a Smartwatch Cluster Housed in 3D Printed Components |
| 143 | Tam | Nguyen | Metcalfe | ENGR | Mechanical Engineering | Chaos Theory Prevents Accurate Prediction of Weather |
| 144 | Cesar | Vasquez Flores | Bannerot | ENGR | Mechanical Engineering | Self-sustainable, Mobile Fog-Collector |
| 145 | Wu | Yuqian | Song | ENGR | Mechanical Engineering | Crack Detection and Leakage Monitoring On Reinforced Concrete Pipe Using Piezoceramic Based Active Sensing Approach |
| 146 | Naixin | Zheng | Song | ENGR | Mechanical Engineering | Structural Health Monitoring of Multi-spot Welded Joints Using Lead Zirconate Titanate (PZT) Based Active Sensing Approach |
| 147 | Robert | Alford | Adams | ENGR | Petroleum Engineering | Tuscaloosa Marine Shale – 7 Billion Barrels of Ornerly Shale Oil |

Oral Presentations

Oral Presentation Session 1 The Honors College, Room 212L Moderator: Paul Mann

- 5:00-5:15 p.m. **Maria Cardenas**
Mentored by Thomas Lowder • Health & Human Performance
Exercise Training Improves Lung Function in Women with Lymphangioleiomyomatosis (LAM)
- 5:20-5:35 p.m. **David Lankford-Bravo**
Mentored by Paul Mann • Earth & Atmospheric Sciences
Basement Controls on the Formation of Passive Margin Fold-Thrust Belts in the Gulf of Mexico
- 5:40-5:55 p.m. **Aisha Deslandes**
Mentored by Bruno Breitmeyer • Psychology
Visual Search Shares Attentional Resources with Spatial but Not Color Working Memory

Oral Presentation Session 2 The Honors College, Room 212P, Martel Room Moderator: Jafar Bakhshaie

- 5:00-5:15 p.m. **Nubia Angelina Mayorga**
Mentored by Michael Zvolensky and Jafar Bakhshaie • Psychology
Negative Affect as the Mediator of the Effects of Subjective Social Status on Mental Health of Latino Attendees of a Primary Care Setting
- 5:20-5:35 p.m. **Angela Medvedeva**
Mentored by Michael Zvolensky and Jafar Bakhshaie • Psychology
Anxiety Sensitivity as the Mediator of the Pathway from Emotional Nonacceptance to Anxiety and Depressive Symptoms and Disorders Among Latinos in Primary Care
- 5:40-5:55 p.m. **Olaguibel Sampogna**
Mentored by Michael Zvolensky and Jafar Bakhshaie • Psychology
Anxiety Sensitivity Mediates the Effects of Experiential Avoidance on Anxiety and Mood Problems of Latinos in a Community Health Center