Poster Presentations

Note: Poster presenters whose last names begin with A-PE will display their posters in Heritage Hall; those whose last names begin with PH-Z will display their posters in the foyer of McGivney Hall.

• Antonette Academia, Corporate Social Responsibility and the Rights of Workers: A Comparative Case Study of Brazil and Qatar FIFA World Cup and the Violations of Workers’ Rights

• Mana Al Reshan, Authentication and Secure Session Establishment in Body Area Networks Using Multiple Biometrics and Physiological Signals

• Meriem Alaoui, The Sun's wrath: it starts with magnetic reconnection

• Ahmed Alghamdi, Securing Broadcast Authentication in Wireless Sensor Networks Against Denial of Service Attacks

• Majed Alharbi, Improving Coup Packet Delivery Performance for IOT Using Multiple Timers

• Majedah Alkharji, Enhanced Cryptographic Solution for Security Issues on Saudi Arabian Universities Environment

• Afnan Alniamy, Authentication and Secure Session Establishment in Body Area Networks Using Multiple Biometrics and Physiological Signals

• Neeti Ananthaswamy, HIV Vaccine Design: In Search of a Cure

• Agnes J. Ancheta, An Underflight Calibration of a Sun-Observing Satellite's Spectrometer with the EUNIS-2013 Sounding Rocket

• Jude Anike, Carbon nanotube yarns sensors: phenomenon and application.

• Israel Arauz-Rosiles, The Roots of Humanism: Reclaiming Humanism as a Catholic Form of Thought

• Vania Arzadon, The Long-Run Impact of Education Aid on Human Capital Outcomes: Evidence from the Philippines

• Samantha Aurilia, Tangled Up in Sexism: Franchises and Representation of Female Characters

• Koorosh Azhandeh, Hybrid Routing and Resolution for Information Centric Networking

• Abdullah Bakhshwin, Self-sensing Composite pipe
• Sandra Barrueco, *Pope Francis and the Latino Community*

• Elizabeth Barry, *The Battle on the Home Front: Understanding Parenting Stress and Military Wives*

• Matthew Berkeley, *Map-making with space dust*

• Rudra Bhatta, *Green energy harvesting with PbTe microwires*

• Wendy Blome, *Shared vicarious trauma among professional social workers: A qualitative study of the Palestinian experience*

• Kathryn Bojczyk, *Action Research in Education: Lessons from the Field*

• Conor Boland, *A Light in the Dark: The Syon Brethren and the Lay Apostolate*

• Allison Bond, *Relationships between Community Violence and Social Support with Motivations to Read among Urban Children*

• Miriam Elizabeth Bowman, *How Does Organizational Culture and Climate Influence Job Stress and Job Satisfaction in Child Welfare Social Workers?*

• Gino Bretana, *Universal Urbanism vs. Contextual Urbanism*

• Cynthia Brewer, *Structural evidence of a ketimine as the product of an amino acid and an aldehyde. An intermediate in the racemization of amino acids.*

• Devon Brophy, *Culture in the Modern Age*

• Nicholas Brown, *Copyright & Conductor Scores: Technology for Fair Use in the New York Philharmonic Digital Archives*

• Vy Bui, *A Performance Study of Earth Networks Total Lighting Network (ENTLN) and Worldwide Lightning Location Network (WWLLN)*

• Vy Bui, *Explore Real-time Big Data Processing with Apache Storm using Twitter Public Stream Data*

• Timmesha Butler, *In-School Wrap Around Services: Exploratory Study Promoting Educational Success of African American Males.*

• Thomas Campbell, *An Impactor Mission to Europa: A Vibrometric Approach for Estimating the Ice’s Thickness*

• Nicole Caulfield, *An Unknown War: The Difference of Suicidal Ideation between Active Duty Personnel and Veterans*

• Ji Chen, *Spring Operated Wearable Enhancer for Arm Rehabilitation after Stroke*

• Sung Cho, *Destinies' Child: Say His Names in Matthew 1-2*

• Marisa Coene, *Strain Gauge Sensors Using Piezoresistive Carbon Nanotube Yarn: Fabrication and Calibration*

• Megan Colline, *Prison Overcrowding and Mandatory Sentencing in the United States*

• Christian Constantine, *A lot of sugar can make chromosomes go rogue*

• Leigh Cordeiro, *Manifestations of Multicultural Education in Common Core State Standards Learning Materials: An Exploratory Descriptive Analysis of CCSS Suggested K-3 Stories*

• Santiago Correa, *Birefringence Analysis of In Situ Biofabricated Chitosan Membranes in Microfluidics*

• Michael Cozzi, *On the Virtue of Social Clubs in the Aristotelian Tradition*

• Lucas Crock, *The Impact of Medication on Treatment Outcomes for the Resilience Builder Program.*

• Mary Grace Cruser, *An Analysis of the Relationship between Working Memory, Verbal and Facial Recognition, and Social Functioning*

• Bishnu Dahal, *Electrical and Magnetic Properties of Cobalt Telluride Nanostructures*

• Laura Daughtery, *A Case Study: The Ecomap and Cultural Ecrogram Application in Strengthening Health Care Services for an African American Grandparent with Diabetes Type 2*

• Anna Davis, *Access to Early Childhood Mental Health Services among Vulnerable Children in Private Faith-Based Schools*

• Courtney DelPo, *Computational Modeling to Predict Interactions Between Proteins and Cellular Signaling Molecules*

• Duilia de Mello, *Big Data of the Huge Universe (BIDHU) project: When galaxies collide*

• Bridget Dennin, *The 50 Longest Running Shows On Broadway*
• Rajendra Dulal, *Ferromagnetic Fe2CrAl Nanowires*
• Katharine Edbrooke, *France and its Immigrants*
• Andreza Eufrasio, *Harvesting of waste heat by ceramic thermoelectric materials*
• Kaitlyn Feeley, *Why aren’t all children succeeding in school?: The negative effects of childhood poverty and the role of social workers*
• Mary Fesalbon, *Discussing Emotional Events: Measuring Emotion Talk between Mothers and their 7-year-old Children*
• Kevin Forbes, *Did Geomagnetic Activity Challenge Electric Power Reliability during Solar Cycle 23? Evidence from the Electricity Balancing Market in England and Wales*
• Kevin Frecker, *A Twenty-First Century Dilemma: Cultural Borrowing and the Music of the Catholic Church*
• Seyyedehsaba Gharavi Neisiani, *A flexible framework for process-based hydraulic and water quality modeling of stormwater green infrastructure performance*
• Kelly Gill, *The Impact of Trait Emotion Regulation and Memory on Social Inference Skills*
• Stephen Gorbos, *New Music by Stephen Gorbos: Vox Animarum for solo cello*
• Stephen Gorbos, *From Elizabethan Poets to Contemporary Composers: Two New Compositions for Solo Cello*
• Helen Gorman, *Homeschoolers as Writing-Cultured*
• Francesca Gualano, *Interaction Mapping of a Signaling Network*
• Francesca Gualano, *On the Well-Posedness of the Gurevich-Zybin System and the Modeling of Dark Matter Dynamics*
• Kevin Gunn, *Comparing Religious Studies and Theology Faculty Citations and Library Holdings, 2002-2012: an Update*
• Serene Habayeb, *Participation in a Social Competence Intervention in a Private Clinical Setting and the Impact of Co-occurring Clinical Symptomatology in ASD*
• Kirk Herman, *Identification of Moving Wave Sources in a Solid Using Inverse Modeling and Uncertainty Quantification*
• Rosa Heryak, Associations between Psychological Distress and Specific Aspects of Mindful Eating among College Students

• Majd Hijazi, Post Occupancy Evaluation of a Net-Zero Energy Building in Mixed-Humid Climate

• Kimberly Hoffman, Digital Toolkit: Essentials for the Scholar/Researcher of Today + Tomorrow

• Sean Houchins, Effects of Mindfulness versus Loving-Kindness Meditation on Emotions and Sympathetic Nervous System Activity

• Dennis Hoyer, Mindful sport performance enhancement for Division III collegiate coaches: A pilot study

• Yeping Hu, Politicized Islam, Jihad and ISIS

• Carol Huttar, The Future of Fertility and Oncology: A Virtual Approach to Education

• Quoc Huynh, Wearable Sensors for Measurement and Detection of Daily Activities in Elderly Populations

• Ilana Huz, Symptom Reduction in Highly Anxious Youth with the Resilience Builder Program®

• Thomas Ingram, Self-harm behaviors among participants in Alcoholics Anonymous and Dual Diagnosis/Alcoholics Anonymous

• Mary Kate Interrante, Mindfulness as a Moderator of the Association between Stress and Alcohol Use in Collegiate Athletes

• Fahad Jambi, Sorting yeast cells with microfluidic Platform

• Jeffrey Jenkins, A Telescopic Approach to Quantitative Brain Imaging

• Alyssa Jespersen, Breaking and fixing the genome: What difference does a million+ years make?

• Jennifer Johnson, Working Memory and Visual Distraction Predict Flight Simulator Performance

• Martin Johnson, For your consideration: Reviewing the Movie Review folders of the National Catholic Office for Motion Pictures

• Nnanya Kalu, Lipid Composition Regulates Anthrax Toxin Uptake
• Clare Kenney, *Interactions Between PH Domains and Inositol Pyrophosphates*

• Hyojin Kim, *Measurement and Verification of an Occupancy-Based Climate Control Technology for Energy Savings and Indoor Air Quality*

• Vladimir Kirnosov, *Automatic Three-dimensional Reconstruction of Coronal Mass Ejection from STEREO A/B White-light Coronagraph Images*

• Eun Koh, *Generational impact of single-parent scholarships: Educational achievement of children in single-parent families*

• Regis Komperda, *Deconstructing Constructivism: Modeling Causal Relationships Among Constructivist Learning Environment Factors and Student Outcomes in Introductory Chemistry*

• Christopher Kramer, *Analysis and Mitigation Design of Acoustics for Performance Halls*

• Daniel Kuehler, *Piano Showcase Concert*

• Megan La Belle, *Influencing Juries in Litigation "Hot Spots"*

• Van Lam, *The effect of collagen microstructure on breast cancer cell migration*

• Tri Le, *Controlling competition between anammox bacteria and denitrifiers for nitrite to obtain discharge limits after mainstream deammonification*

• Huy Le, *Piezoresistive Response of CNT Yarns under Compression and Tension Including the Effect of Lateral Constraint on the Yarn*

• Mary Leary, *Affirmative Consent as Part of a "Consent Culture"*

• Patrick Lee, *Brain Cortical Activation and Tracing Performance during Tactile and Visual Guidance Movements*

• Ann Lipscombe, *Abstracting The Body*

• Stephen Lloyd, *Novel adjoint-control-equation based framework for inversion of unknown acoustic sources in a heterogeneous elastic solid.*

• Xiaolong Luo, *Bacterial Chemotaxis in Static Gradients Generated with Biofabricated Semi-permeable Biopolymer Membranes in Microfluidics*

• James Luskin, *Characterization of Porous Material and a Sound Suppression System using a Shock Tube*

• Rebecca Martens, *A lot of sugar can make chromosomes go rogue*
• Sergio Martinez, *Breaking down poverty cycles in developing countries - Exploration of Investment Funds conditioned on social commitments*

• Megan Masciola, *Parent-Child Communication: A Framework and Study Design for Addressing Prevention of Teen Risky Behaviors*

• Osagie Matthew, *Natural Gas Fired SOFC-GT-ST-ORC Quadruple Cycle for Power Generation*

• Rebecca McCarron, *A Family Affair: The Lady Anne Boleyn as a Member of the Boleyn Family*

• William McDonough, *An Atomic-Resolution Protein Models to Understand Cancer Signaling*

• Angela McRae, *Piqued Curiosity*

• Fahad Milaat, *Cooperative Detection of GPS Spoofing in VANET*

• Greg Miller, *Molecular Switches for Life and Death*

• Erin Mistretta, *Mindful Sport Performance Enhancement for High School Athletes*

• Michael Mobaraki, *Signal competition in protein traffic*


• Rebecca Moore, *Punks in the Archive: Social Activist Archivy and Community-Based Archival Collections*

• Danielle Needle, *These walls can talk: communication embedded in cell membranes*

• Quang Nguyen, *The Hybrid Methods for Electromagnetics Modeling of Large Scale Structures*

• Tuan Nguyen, *MIMO (multiple input multiple output) antenna system design for the next generation (5G) communication system.*

• Thanh Nguyen, *Digital Holographic Microscopy*

• Kateri Noble, *Associations Among Meditation Practice, Mindfulness, and Rumination in Experienced Meditators*

• Savanna Nolan, *Teaching the Teachers: Comparing How Law Students & Library Students Are Taught Legal Research*
• Maria Notarianni, “I love you– just not like that:” Sexual Identity in the Media

• Emily Oldham, (Sit), Stand, Kneel: The Effect of the Introduction of Pews on Christian Worship in the Middle Ages

• Emily O’Loughlin, The Building Mosaic: A Place for Performance and Perception

• Kelly Omotade, SPICED Game Design for Enhanced STEM Outreach

• Dominic Padova, In Vitro Micropatterning of Pre-Osteoblast-Seeded Thin, Collagen Hydrogels

• Christopher Papp, Martian Mission for Future Settlement

• David Pelton, The Yards Hotel & Naval Museum

• Jonathan Penepent, Distinguishing Major Depressive Disorder and Bipolar Disorder in unmedicated adolescent females

• Rokas Perskaudas, Facets of Mindfulness and Psychological Health in Athletes: Implications for Mindfulness Interventions

• Phu Pham, Deploying Air Bubbles in Two-Layer Microfluidic Devices for In Situ Fabrication of Biopolymer Membranes

• Akbar Pirmoz, Progressive Collapse Response Analysis of Posttensioned Steel Frames

• Gordon Pisani, Loudspeaker Design

• Evis Plaku, Robots and Roadmaps: How teaching machines to think big picture can mean much faster and better routes

• Alexander Quicksell, Drone Structural Integrity: Senior Project

• Katherine Rahill, The Effects of Personally Adaptive Avatars on Game Performance

• Rafi Rahman, Edward Wilmot Blyden: A Black Church Advocate for Interreligious Dialogue

• Hadiar Rahman, Expression of a human multidrug transporter (ABCG2) in yeast cells: a novel approach combining genetics and biochemistry

• Kesley Ramsey, Parent Support and Adolescent Suicide Attempts

• Verda Rana, The Role of Maternal Self-Efficacy in the Home Learning Environment and Child Literary Skills
• Richard Raymond, *Correlates of Self-Compassion in a Sample of Meditation Practitioners*

• Sergio Restrepo, *Text on Itself: José Luis Castillejo’s Black and White Garden as Tautological Writing*

• Abby Ridge Anderson, *Understanding and Treating Childhood Suicidality*

• Caroline Riley, *Between you and I … or me? A Study of Language Change Before Our Eyes*

• Merrill Roberts, *Modeling Solar Polar Jets: Data Analysis and Simulated in Situ Measurements*

• Erika Rodkey, *Predictors of Social Problems in Children with Intellectual and Developmental Disabilities*

• Caitlin Rothwell, *Initial findings of increased resilience following group psychotherapy in a low SES school setting*

• John Paul Ryan, *Tunnel vision: Examining the link between auditory preoccupation and alertness on the Washington, D.C. metro system*

• Paulo Sanchotene, *Beyond Judicial Activism: the tensions between Rule of Law and Political Ideology*

• Samuel Schor, *Working to Solve Child Abuse & Neglect*

• Michelle Seals, *Adaptive Security Architecture*


• Marc Sepantaie, *Secure Communication Systems Using Synchronized Lorenz Strange Attractor on Reconfigurable Hardware*

• William Sergison, *Circulatory Environments as a Method Towards Association*

• Sameer Shah, *A sugar sensing pathway influences the behavior of chromosome segregation in S. cerevisiae*

• Patricio Simari, *Plato’s Hammer: The Art, Science, and Philosophy of Computing and Where It Might Take Us*

• Kristofer Smith, *Deploying CloudEdge to Improve the Quality of Experience in Wireless Access Networks*
• Daniel Soranzo, *I Love You, but I Love Myself More.*

• Emmaris Soto, *Galaxies Unveiled*

• Yi Su, *Unified Quantitative Modeling for Integrated Multi-Objective Project Management with Singularity Functions*

• Donald Sullins, *Children with Same-sex Parents*

• Donald Sullins, *Abortion and Mental Health: New Evidence in the Debate*

• Meagan Tomasso, *Investigating Protein Interactions that control cellular trafficking*

• Trevor Torpin, *Comparison of an Anomalous Low State with a Normal Low State in LMC X-3 with MAXI, Swift, and XMM-Newton*

• Frances Anne Tosto, *Determining Articular Cartilage Explant Microstructural Response to Mechanical and Biochemical Surface Disruption*

• Nghia Tran, *Detecting and Tracking Human Walking in the Forest Environments*

• Daniela Vargas, *The Social Responsibility of Architecture in Urban Development as seen from an Artistic Point of View and an Economic Point of View*

• Thanh Vo, *Microfluidic Generated Static Gradients of Biomolecules for Studying Cell Dynamics*

• Grayson Wagstaff, *Of Two Minds: Catholic mysticism in the Concerto by Manuel de Fall and possible interpretation of a piece inspired by Falla’s work*

• Jennifer Williamson, *An improved methodology for calibrating residential building energy models using hourly utility data*

• Michaela L. Zajicek-Farber, *Connections between Family Centered Care and Medical Homes of Children with Neurodevelopmental Disabilities: Experiences of Diverse Families.*

• Brooks Zitzmann, *Living and Learning Christian Spirituality in Social Work Practice*