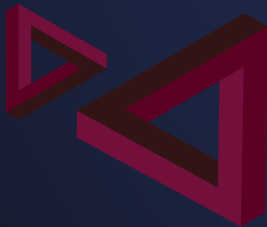
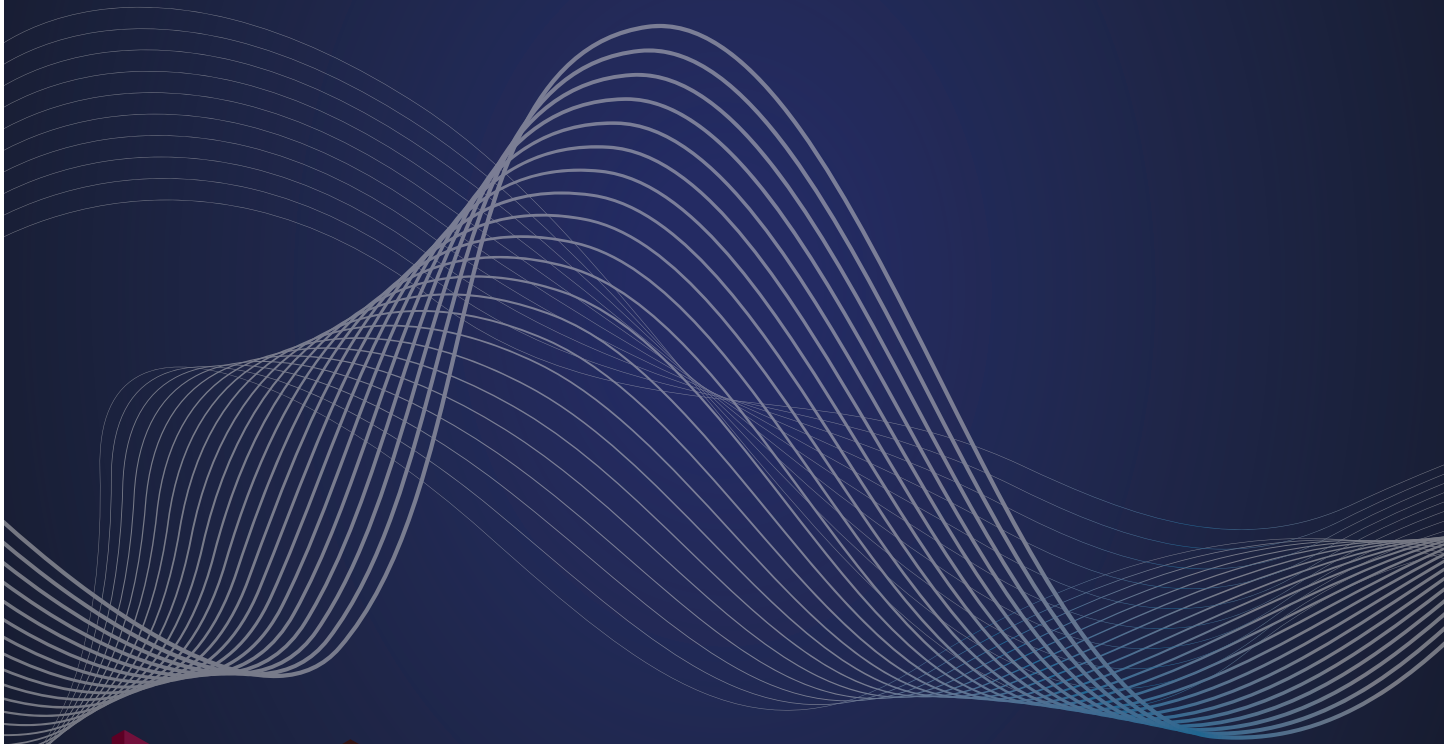
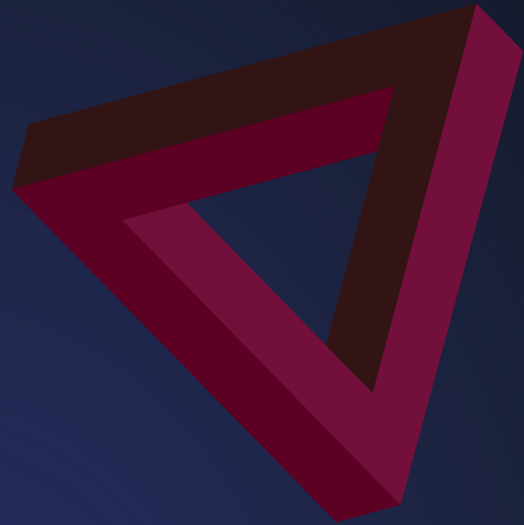


# T3 POSTER SESSIONS

ROUND 2



*September 28, 2020*



PRESIDENT'S  
EXCELLENCE FUND  
SYMPOSIUM

- 1.** **Physical and Cognitive Demands Associated with Police In-Vehicle Technology Use: A Naturalistic Study**  
(Modeling Emergency Responder Interactions with In-Vehicle Technologies)  
— **Maryam Zahabi, Xudong Zhang, Stephen F. Crouse**  
Presenter: Maryam Zahabi
  - 2.** **Intersectionality and Diversity Training: How Social Identities Matter in Why People Participate in Diversity Training in Higher Education**  
(Examining Multiple Intersecting Social Identities and Organizational Roles in Higher Education)  
— **Jeffrey Liew, Natasha T. Brison, Jane A. Sell**  
Presenter: Jeffrey Liew
  - 3.** **An Information Theoretic Approach to Originality and Bias in Science**  
(Information Theoretic and Nonlinear Dynamical Approach to Evaluate the Impact of Bias on Research)  
— **Laszlo Kish, Chanan Singh, Tamas Erdelyi**  
Presenter: Laszlo Kish
  - 4.** **Delivery of CRISPR/Cas-9 Using Cationic Liposome**  
— **Peter P. Nghiem, Mohammad T. Nutan, Pooneh Bagher**  
Presenter: Peter P. Nghiem
  - 5.** **Molecular Mechanisms of Intracellular Copper Trafficking**  
— **Vishal M. Gohil, Paul A. Lindahl, Beiyan Nan**  
Presenter: Vishal M. Gohil
  - 6.** **The Application of Laser-Induced Breakdown Spectroscopy for the Analysis of Arsenic Contaminated Rice Leaves**  
(Development of a Solvent Free Technology for the Quantification of Heavy Metals in Plant Tissues)  
— **Xingmao Ma, Waruna D. Kulatilaka, Bing Guo**  
Presenter: Xingmao Ma
  - 7.** **Raman-Based Diagnostics of Libebacter Diseases in Tomatoes**  
(Non-Invasive and Non-Destructive Detection of Huanglongbing on Citrus Trees Using Raman Spectroscopy)  
— **Dzmitry Kurouski, Cecilia Tamborindegy, Willa W. Chen**  
Presenter: Dzmitry Kurouski
  - 8.** **Inner Junction of Doublet Microtubules in Motile and Non-Motile Cilia**  
— **Hongmin Qin, Luis R Garcia, Timothy D. Phillips**  
Presenter: Hongmin Qin
  - 9.** **Oxidative Stress Enhances Mitochondrial DNA-Dependent Type I Interferon Responses**  
(Defining how Mitochondrial DNA Replication Intermediates Engage the Cytosolic DNA Sensing Machinery)  
— **Andrew P. West, Pingwei Li, Geoffrey Kapler**  
Presenter: Andrew P. West
-

- 10.** ***Analytics for Renewable Energy Management in Microgrids***  
— **Natarajan Gautam, Katherine M. Davis, Anirban Bhattacharya**  
*Presenter: Natarajan Gautam*
  - 11.** ***Crowd-Biosensing of Location-Based Physical and Emotional Distress for Walkable Built Environment***  
— **Changbum R. Ahn, Theodora Chaspari, Jane Futrell Winslow**  
*Presenter: Jinwoo Kim*
  - 12.** ***Trade-Offs Between Approximation and Generalization in Learning Systems***  
— **Shahin Shahrapour, Boris Hanin, Simon Foucart**  
*Presenter: Shahin Shahrapour*
  - 13.** ***Correlates and Disparities of COVID-19 Vaccine Hesitancy***  
*(Framing Gun Control as a Suicide Prevention Measure: Influencing Health Education, Public Perception)*  
— **Jennifer A. Lueck, Timothy Callaghan, Johanna L. Dunaway**  
*Presenters: Jennifer A. Lueck, Timothy Callaghan*
  - 14.** ***EducatAR: Supplementing the STEM Classroom Experience***  
— **Darren J. Hartl, Raymundo Arroyave, Christopher J. Nowotarski**  
*Presenter: Darren J. Hartl*
  - 15.** ***Emotional Intelligence and its Impact on Identity Formation of Engineering Graduate Students***  
— **Behbood B. Zoghi, Sara P. Raven, Cheryl J. Craig**  
*Presenter: Behbood B. Zoghi*
  - 16.** ***Modeling, IoT and Machine Learning for Smart Greenhouse***  
*(Modeling, IoT and Machine Learning for Smart Agriculture)*  
— **Maria King, Ronald E. Lacey, Konstantinos E. Kakosimos**  
*Presenter: Maria King*
  - 17.** ***Targeting Oncogenic Protein-Protein Interactions to Overcome Drug Resistance***  
— **Jae H. Cho, Steve W. Lockless, Jean-Philippe Pellois**  
*Presenter: Jae H. Cho*
  - 18.** ***Living with Fear: A Qualitative Inquiry with Childbearing Black Women***  
*(The Lived Experience of Being a Pregnant Black Woman in Texas)*  
— **Sharon Dormire, Jodie C. Gary, Idethia S. Harvey**  
*Presenter: Sharon Dormire*
  - 19.** ***Assessing and Remediating Health and Safety Issues in Children's Play Spaces in Resort Settings***  
— **Jay Maddock, Courtney Suess Raeisinafchi, John O. Spengler**  
*Presenter: Jay Maddock*
-

- 20.** ***Multi-Criteria Decision Analysis for Sustainability & Resilience of Buildings Subjected to Earthquakes***  
(Multi-Criteria Decision Analysis for Sustainability & Resilience of Buildings Subjected to EQ & Wind)  
— **Maria Koliou, Petros Sideris, Wei Yan**  
Presenter: Negar Mohammadgholibeyki
- 21.** ***Online Local Natural Hazards Education for Young Adults: Assessing Program Efficacy and Changes in Risk Perception***  
(Online Local Environment Hazards Education for Young Adults Using a Social Media Platform)  
— **Courtney Thompson, Daniel W. Goldberg, Tracy A. Hammond**  
Presenter: Courtney Thompson
- 22.** ***Commercially Viable Software for The Automated Whole-Brain Mapping of Fluorescently-Labeled Cells***  
— **Lee Shapiro, Jun Wang, Zhangyang Wang**  
Presenter: Lee Shapiro
- 23.** ***Biodiversity Impacts and Social Dimensions of Land Use in Tropical Montane Ecosystems***  
— **Allison L. Hopkins, Thomas E. Lacher, Leonardo Lombardini**  
Presenter: Allison L. Hopkins
- 24.** ***Understanding the Motivations for Cheating and Lying Using Laboratory Experiments***  
— **Marco Palma, Catherine C. Eckel, Jonathan Meer**  
Presenter: Marco Palma
- 25.** ***Algorithms for Opioid use Prediction Derived from Daily Computer Use Patterns of Office Workers***  
— **Mark E. Benden, Roger S. Zoh, Jyh C. Liu**  
Presenter: Mark E. Benden
- 26.** ***Microclimatic Design Studies for Long-term Space Habitation***  
(Microclimatic Design Studies for Long Term Space Habitats)  
— **Manoranjan Majji, Robert E. Skelton, Robert D. Brown**  
Presenter: YouJoung Kim
- 27.** ***Investigating Student & Faculty Departmental Spaces Through Visual Ethnography***  
— **Tina Budzise-Weaver, Sarel Lavy, Pauline Melgoza**  
Presenter: Tina Budzise-Weaver
- 28.** ***Responding to Disasters: When and How to Activate Alternative Capacity?***  
(Dynamic Evacuation Planning Considering Traffic Congestion)  
— **Xiaofeng Nie, Andres Fernando Jola Sanchez, Xiubin B. Wang**  
Presenter: Chaolun Ma
-

- 29.** ***Dihydrotestosterone Differentially Regulates Predictors of T Cell Function in Visceral and Subcutaneous Adipose Tissue of Female Mice***  
(*The Sexually Dimorphic Control of Local Androgens on White Adipose Tissue Lipid Metabolism*)  
— **Annie E. Newell-Fugate, Mahua Choudhury, Stephen B. Smith**  
Presenter: Annie E. Newell-Fugate
- 30.** ***Sequential Minimum Energy Designs for Model Selection***  
(*Minimum Energy Designs for Model Selection and Classification*)  
— **David Jones, Rui Tuo, Huiyan Sang**  
Presenter: David Jones
- 31.** ***Hydrocarbon Exposure and Public Perceptions in Shale Areas***  
— **Gunnar Schade, Sarah D. Brooks, C. S. Shafer**  
Presenter: Gunnar Schade
- 32.** ***“Circular Economy”: A Framing Concept to Catalyze Greater Climate Change Policy Action***  
(*Energy, Law and Policy - Creating A New Paradigm*)  
— **Efstathios Pistikopoulos, Felix Mormann, Robin Globus Veldman**  
Presenter: Valentini Pappa
- 33.** ***A Thermally Actuated Microvalve for Smart Irrigation in Precision Agriculture Applications***  
(*Exploratory Microfluidics Research Aimed at Broad-Scale Single-Plant Irrigation*)  
— **John A. Thomasson, Debjyoti Banerjee, Xingyong Song**  
Presenter: Alaba Bamido
- 34.** ***Vascular-Islet-On-A-Chip Biosystem***  
— **Abhishek Jain, Yuxiang Sun, Akhilesh K. Gaharwar**  
Presenter: Abhishek Jain
- 35.** ***Designing Optimal Diets via Mathematical Programming***  
— **Sergiy Butenko, Stephen T. Talcott, Hrayr Aprahamian**  
Presenter: Sergiy Butenko
- 36.** ***Gender Differences in Sepsis Survival Involve Effects of Gonadal Steroid Hormones and Activation of Inflammatory Pathways that Contribute to Disease Progression***  
(*Targeting Gender Differences in Epigenetic and miRNA Mechanisms Underlying Sepsis*)  
— **John Stallone, Sanjukta Chakraborty, Corey J. Bishop**  
Presenter: John Stallone
- 37.** ***Engineering with Nature: The Fusion of Coastal Engineering and Ecology***  
— **Russell A. Feagin, Ignacio J. Rodriguez, Jens Figlus**  
Presenter: Rachel Innocenti
- 38.** ***Using Raman Spectroscopy for the Detection of Opioid Use Disorders***  
(*Non-Invasive Methodologies for the Detection of Opioid Use Disorders*)  
— **Shoshana Eitan, Samuel Mabbott, Paul J. Wellman**  
Presenter: Shoshana Eitan
-

- 39.** ***Texas Freedom Colonies Project Community Heritage Collaborative***  
(Texas Freedom Colony Project Portal & Community Heritage Collaborative)  
— **Andrea R. Roberts, Rebecca L. Hankins, Lynn M. Burlbaw**  
Presenter: Andrea R. Roberts
- 40.** ***Biomimetic Interlocking Modules for Rapid Emergency Shelter Fabrication***  
— **Ho-Yeong (Julian) Kang, Zofia K. Rybkowski, Matthew Yarnold**  
Presenter: Ho-Yeong (Julian) Kang
- 41.** ***Inflamm-Aging and Osteopenia in a Rodent Model of Spinal Cord Injury***  
— **Michelle A. Schapiro, Dana Gaddy, Cedric Geoffroy**  
Presenter: Michelle Hook
- 42.** ***Collaboration in Virtual and Face-To-Face Environments***  
(Improving Teamwork using Collaborative Virtual Reality Environment)  
— **Bin Mai, Jinsil Seo, Andrew McCubbins**  
Presenter: Bin Mai
- 43.** ***Avian Behavior, Physiology, and the Gut Microbiome***  
(Avian Microbiomes)  
— **Jessica L. Yorzinski, Gil G. Rosenthal, Sarah A. Hamer**  
Presenter: Melanie Florkowski
- 44.** ***Validating Rainfall Parameterizations in Climate Models Using Predictive Empirical Analysis***  
— **Ramalingam Saravanan, Mikyoung Jun, Suhasini T. Subbarao**  
Presenter: Ramalingam Saravanan
- 45.** ***Genetic Studies of an Essential NTPase Motor System in Pathogenic Parasites & Computational Approaches in Drug Discovery***  
(Drug Development Against Essential NTPase Motor Proteins in Pathogenic Parasites)  
— **Jorge A. Cruz-Reyes, Phanourios Tamamis, Thomas D. Meek**  
Presenter: Joshua Meehan
- 46.** ***Wearable Sensing Framework for Examining the Effect of Built Environments on Human Performance***  
(Wearable Sensing Framework for Examining the Effect of Built Environments to Human Performance)  
— **Youngjib Ham, Winfred E. Arthur, Patrick C. Suermann**  
Presenter: Jeehee Lee
- 47.** ***Doctoral Programs at Predominately White Institutions: Shared Experiences from Women of Color***  
— **Chanda Elbert, Chayla Haynes Davison, Jamilya Blake**  
Presenter: Tyler Evan, Marigold Hudock, triad team members
-

- 48.** ***Millennial-Scale Hurricane Activity on the Yucatan Peninsula: Climate Drivers and Cultural Impact***  
— Peter J. Van Hengstum, Robert L. Korty, Courtney Schumacher  
*Presenter: Richard Sullivan*
- 49.** ***A Systems-Oriented Post-Event Assessment of Community Resilience***  
— Burak Guneralp, Nasir G. Gharaibeh, Philip R. Berke  
*Presenter: Lidia Mezei*
- 50.** ***Mid-IR Spectroscopy on a Chip for Label-Free Detection of Bio-Markers***  
*(Miniaturized Photonic Crystal Bio-Sensors for Sensitive and Label-Free detection of Bio-Markers)*  
— Hans Schuessler, Paotai Lin, Genny Carrillo  
*Presenter: Hans Schuessler*
- 51.** ***Generating Nanoparticles Using Supercritical Fluids***  
—Dorri Jarrahbashi, Mohammed Al-Hashimi, Shiren Wang  
*Presenter: Dorri Jarrahbashi*
- 52.** ***Investigating the Potential for Inter-Generational Effects of Temperature Stress on Blow Flies***  
— Aaron Tarone, Jeffery K. Tomberlin, Clifford H. Spiegelman  
*Presenter: Aaron Tarone*
- 53.** ***Antihistamines Cause Mesenteric Lymphatic Vessel Dysfunction and Development of Metabolic Syndrome***  
— Anatoliy A. Gashev, Shannon S. Glaser, Mansoor A. Khan  
*Presenter: Ziyaur Rahman*
- 54.** ***Impacts of Primary Productivity on Air-Sea Gas Exchange in an Anthropogenic Estuary***  
— Katie Shamberger, Shari A. Yvon-Lewis, Antonietta S. Quigg  
*Presenter: Katie Shamberger*
- 55.** ***Virtual Reality, Process Safety, and Counterfactual Thinking—New Paradigm for Training?***  
— S. Camille Peres, Mindy E. Bergman, Rachel E. Smallman  
*Presenter: S. Camille Peres*
- 56.** ***Coevolution of River-Channel Geomorphology and Riparian Vegetation on The Lower Brazos River, Texas***  
— Inci Guneralp, Georgianne W Moore, Anthony M. Filipp  
*Presenter: Andrew Vanderheiden*
- 57.** ***Cr(VI) Toxicity Targets p53-SIRT1-Mediated Germ Cell Death that Leads to Premature Ovarian Failure***  
*(p53-SIRT1 Cross-Talk in CrVI-Induced Reproductive Toxicity)*  
— Sakhila Banu, E. Tiffany-Castiglione, Ke Zhang  
*Presenter: Sakhila Banu*
-

- 58.** ***3 Phase Flow Assessment with Fiber Optics Sensor***  
— **Mohammad Azizur Rahman, Abu Rashid Hasan, Ibrahim Hassan**  
*Presenter: Mohammad Azizur Rahman*
- 59.** ***Roles of Inflammation and Gut Microbiota Metabolite Indole in Pathophysiology of Diet-Induced Steatohepatitis***  
*(Interplay Between Gut Microbiome and Innate Immunity in Non-Alcoholic Steatohepatitis)*  
— **Chaodong Wu, Giridhar N. Athrey, Deqiang Sun**  
*Presenter: Chaodong Wu*
- 60.** ***A Triad of Geological and Environmental ICPMS Applications***  
*(Radiogenic Trace-Element Isotope “Fingerprinting” of Solid Samples by LA-ICPMS)*  
— **Brent Miller, Nicholas D. Perez, Shankararaman Chellam**  
*Presenter: Brent Miller*
- 61.** ***Personal Continuous Glucose Monitoring System for Diabetes Self-Management***  
— **Bobak Mortazavi, Xia Hu, Sherecce A Fields**  
*Presenter: Bobak Mortazavi*
- 62.** ***Comparative Models of NSAID-Induced Intestinal Inflammation***  
*(Porcine Model of NSAID Enteropathy)*  
— **Canaan Whitfield-Cargile, Robert S. Chapkin, Kelley M. Mankin**  
*Presenter: Canaan Whitfield-Cargile*
- 63.** ***Adaptive Assembly of Cotton Root Microbiome in Gel Microdroplet-Based Microfluidic Platform***  
*(Adaptive Assembly of Root Microbiome Using Microfluidics for Innovative Cotton Disease Control)*  
— **Won Bo Shim, Thomas Chappell, Arum Han**  
*Presenter: Won Bo Shim*
- 64.** ***Striatal and Reward-Related Function in a Mouse Model for Fragile X Syndrome***  
*(Striatal Cholinergic Dysfunction in Neurogenetic Disorders)*  
— **Laura N. Smith, William Griffith, Scott V. Dindot**  
*Presenter: Gia Valles*
- 65.** ***The Pragmatics of Othering: A Critical Discourse Analysis of Cyberhate***  
— **Jyotsna Vaid, Zohreh R. Eslami, Brian N. Larson**  
*Presenters: triad team members*
- 66.** ***Flux of Seawater and Animals in a Submarine Cave***  
*(Flux of Seawater and Plankton in a Submarine Cave)*  
— **Thomas Iliffe, Ayal Anis, Joshua Perkin**  
*Presenter: Thomas Iliffe*
- 67.** ***Strain Localization in Geomaterials***  
— **Hiroko Kitajima, Amine A. Benzerga, Janet F. Bluemel**  
*Presenter: Hiroko Kitajima*
-



- 68.** ***Development of Expertise in Seismic Interpretation in Petroleum and Scientific Exploration***  
— Eric Riggs, Robert S. Reece, Khalil M. Dirani  
*Presenter: Eric Riggs*
- 69.** ***Characterization of Jellyfish Toxins and Their Toxicological Effects on Fish***  
— Maria P. Miglietta, David Hala, Sing H. Sze  
*Presenter: Maria P. Miglietta*
- 70.** ***Bottom-Up Synthesis of Nanographenes and its Effects on Electrical and Optical Properties (Computation-Guided Bottom-Up Synthesis of Nanographenes for the Preparation of Metamaterials)***  
— Quentin Michaudel, Matthias Sebastian Maier, Micah Green  
*Presenter: Sam Kempel*
- 71.** ***Social and Contextual Influences on Children's Development: Insights from Secondary Data Analysis***  
— Idean Ettekal, Rebecca J. Brooker, Wen Luo  
*Presenter: Idean Ettekal*
- 72.** ***Paternal Contribution to Placentation and Pregnancy Success***  
— Ky Garrett Pohler, David W. Forrest, Gregory A. Johnson  
*Presenter: Ky Garrett Pohler*
- 73.** ***Revitalizing Neglected Public Space with Recycled Plastics***  
— Alejandro Borges Gonzalez, Weiling He, Terry Creasy  
*Presenters: triad team members*
- 74.** ***Understanding the Impact of Information on Market Efficiency and Consumer Well-Being***  
— Yu (Yvette) Zhang, Yonghong An, Yan Liu  
*Presenter: Yu (Yvette) Zhang*
- 75.** ***Muscle Synergies, Assistive Devices and the Control of Movement***  
— Louis G Tassinary, Takashi Yamauchi, Jeonghee Kim  
*Presenter: Louis G Tassinary*
- 76.** ***Socioeconomic Impacts of Local Fracking Booms: Household Wealth and College Attendance (Socioeconomic Impacts of Local Fracking Booms: A Comprehensive Interdisciplinary Perspective)***  
— Steven Puller, Anastasia V. Shcherbakova, Christian Brannstrom  
*Presenter: Steven L. Puller*
- 77.** ***Demographic-GIS Analysis of Spatial Population Distribution in U.S. Urban Areas in 1940 (Demographic-GIS Analysis of Spatial Population Distribution and Change in US Urban Areas 1910-1940)***  
— Mark Fossett, Walter D. Kamphoefner, Sierra D. Laddusaw  
*Presenter: Mark Fossett*
-

- 78.** ***The Role of MALAT1 and Nrf2 in Regulating Diabetogenic Effects of Early Life Air Pollution Exposure***  
— **Natalie Johnson, Aline Rodrigues Hoffmann, Alva O. Ferdinand**  
*Presenter: Natalie Johnson*
- 79.** ***Topological Phases of Matter and Quantum Error Correction and Detection***  
— **Michael Brannan, Andreas Klappenecker, Eric Rowell**  
*Presenters: triad team members*
- 80.** ***Deep Learning - Exploring the Limits Beyond Low Hanging Fruit***  
— **Philip Galanter, Nima Khademi Kalantari, Jeffrey M. Morris**  
*Presenter: Philip Galanter*
- 81.** ***Multiplexed Magnetic Resonance Imaging with Para-Hydrogen Induced Spin Polarization***  
— **Christian B. Hilty, Steven M. Wright, Jim X. Ji**  
*Presenter: Jiandu Hu*
- 82.** ***Perovskite Optical Metamaterials***  
— **Zi Jing Wong, Svetlana A. Sukhishvili, Alexey A. Belyanin**  
*Presenter: Yixin Chen*
- 83.** ***Intelligent GPR Semi-Autonomous UAV in 3D Internal Structural Analysis of Buildings***  
— **Byul Hur, Boong Y. Ryoo, Wei Zhan**  
*Presenter: Byul Hur*
- 84.** ***Tracking the Genes Underlying Seasonal Migration***  
*(Unravelling the Genetic Basis of Seasonal Migration in Songbirds)*  
— **Kira Delmore, Christine Merlin, Kamran Entesari**  
*Presenter: Kira Delmore*
- 85.** ***Probing Chirality of Biomolecules with Nano-Structured Laser Light***  
*(Nanoantennas for High-Resolution Raman Spectroscopy of Biomolecules)*  
— **Alexei Sokolov, Krzysztof A. Michalski, Muhammad S. Zubairy**  
*Presenter: Alexei Sokolov*
- 86.** ***Theory-Guided Design and Development of Metal-Organic Frameworks for Solar Energy Conversion***  
— **Xiaofeng Qian, Tahir Cagin, Hongcai J. Zhou**  
*Presenter: Xiaofeng Qian*
- 87.** ***Clock-Maker's Work-Space: Tangible Mixed Reality for 3D Design in the Peripersonal Space***  
*(Tangible Augmented Reality Design Workflows for Digital-To-Physical Prototyping by Children)*  
— **Fnu Vinayak, Francis K. Quek, Shinjiro Sueda**  
*Presenter: Vinayak Krishnamurthy*
-

- 88.** ***Unraveling Pathological Mechanisms of Muscular Dystrophy***  
— **Vladislav Panin, Hung-Jen Wu, Vladislav V. Yakovlev**  
*Presenter: Vladislav Panin*
- 89.** ***Integrated Feedback for Individuals with Motor Impairments***  
*(Integrated Feedback and Augmented Reality for Individuals with Motor Impairments)*  
— **Deanna Kennedy, Pilwon Hur, Li Zeng**  
*Presenter: Deanna Kennedy*
- 90.** ***Investigating Regulation of Spermiogenesis Using a Novel Method of Spermatid Isolation for Comparative Omics Analysis***  
— **Tracy Clement, Robert C. Burghardt, Deborah Bell-Pedersen**  
*Presenter: Tracy Clement*
- 91.** ***Refine Microstructure in Renewable Carbon Fiber for Energy Storage Application***  
— **Joshua Yuan, William L Rooney, Wenhao Wu**  
*Presenter: Joshua Yuan*
- 92.** ***Advanced Mechanical Performances of Polymer Composites***  
*(Advanced Mechanical Performances of Polymer Composites Promoted by Rigid Ladder-Molecules)*  
— **Lei Fang, Hung-Jue Su, Iman Borazjani**  
*Presenter: Lei Fang*
- 93.** ***Philosophical Foundations of Probability and Mathematical Reasoning***  
— **Kenny Easwaran, Jeffrey Kuan, Frank J. Sottile**  
*Presenter: Kenny Easwaran*
- 94.** ***Learning with Safety Constraints***  
*(Playing Virtual Chicken: Learning Interaction Protocols between Pedestrians and Autonomous Vehicles)*  
— **Dileep Manisseri Kalathil, Srinivas G. Shakkottai, Bani K. Mallick**  
*Presenter: Dileep Manisseri Kalathil*
- 95.** ***A New Stable Fracture Mechanics Test: Application to PMMA***  
*(Studying Controlled Fracture Using Cutting)*  
— **Dinakar Sagapuram, Arun R. Srinivasa, Ashlee E. Watts**  
*Presenter: Dinakar Sagapuram*
- 96.** ***Improved Metrics to Assess the Burden of Livestock and Crop Disease and Production Loss***  
*(The Burden of Crop and Livestock Disease-Associated Production Losses)*  
— **Gregory B. Colwell, Christine M. Budke, Rebecca Fischer**  
*Presenter: Gregory B. Colwell*
-

- 97.** ***Mapping and Understanding Cybercrime Operations***  
*(Mapping Cybercrime Operational Networks: Incentive Structures and Platform Economics)*  
— **Jesse Sowell, Korok Ray, Narasimha Annapareddy**  
*Presenter: Jesse Sowell*
- 98.** ***Better Water-Use Efficiency Through Coupled Microalgae Production and Horticulture Industries***  
— **Daniel Roelke, Terry Gentry, Mahmoud El-Halwagi**  
*Poster not submitted*
- 99.** ***Novel Regulation in Assembly of the NADPH Oxidase-2 (Nox2) Complex During Spaceflight in Muscle***  
— **John Lawler, Shaodong Guo, Thomas Kent**  
*Poster not submitted*
- 100.** ***Testing Plasma Jet Delivery Systems for CRISPR/Cas Editing of Live Plant Tissues***  
— **Michael Thomas, Endang M. Septiningih, David A. Staack**  
*Poster not submitted*
-