

| <b>SCHEDULE OF EVENTS</b>      |   |
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| <b>Session #1</b>              | <b>9:00-10:15AM</b>   |
| <b>Room 300</b>                | <b>Education for the Educator</b>   |
| Kimberly Tsukiyama             | Centering the Needs of Language Learners Within Educators' Professional Learning  |
| Kira Dallaire                  | Disability and Diversity: What I Learned OUTSIDE the Special Education Classroom  |
| Lena Boraggina-Ballard         | Voices of the Invisible: A Critical Ethnography of Youth Put At Risk  |
| Fernanda Carvalho              | Research Project as an ESL Technique  |
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| <b>Room 301</b>                | <b>The Science of Senses and Cells</b>  |
| Brandie Yambrosic              | Diastereoselectivity in the aza-Cope/Mannich Reaction of Conformationally Mobile Substrates: Polymer-Supported Organocatalyst |
| Caitlin Baumer                 | Shedding Light on the Role of Type I Cells in Taste Transduction: An Optogenetic Approach                                     |
| Catherine Kaminski             | Analyzing the Colocalization of p75NTR with a Cellular Marker in the Olfactory Bulb Neuropil                                  |
| M.Champion, R.Muterspaugh      | Elucidating Dopaminergic Receptor Signaling by Disrupting D1-D2 Heteromer Formation   |
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| <b>Room 302</b>                | <b>Technology Benefitting Human Health</b>  |
| Ashmita Tiwari                 | Design, Analysis, and Prototyping of a Four DOF Robotic Arm   |
| Paul Huhta                     | The Effects of Tuning AFOFC for an Adult with Ankle Plantar-Flexed Contracture  |
| Na Han                         | Improving Human Health and Well-Being Through Breathable Building Envelope and Automatic Ventilation Control Systems          |
| Jacob Montoya                  | The Effects of a Modified Golf Stance on Socket Reaction Moments in Ulinateral Transtibial Amputees                           |
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| <b>Room 320</b>                | <b>The Way the Mind Works</b>   |
| Khadijah Griffis               | Communication Among Family Members Concerning Mental Illness  |
| Amanda O. Maher                | Sociocultural and Cognitive Dimensions of Reading Attitudes and Behaviors   |
| Ted Allaire<br>Claudia Drossel | Behavior Variability and Neuropsychological Correlates in a College Sample  |
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| <b>Room 330</b>                      | <b>Writing &amp; Speaking: An Analysis of English</b>   |
| Heather Yoder                        | Student Perceptions of World Englishes  |
| Alla Shvetsova<br>Tatiana Colmenares | Adult Acquisition of English as a Second Language (A Focus on Morphosyntax)   |
| Melissa Quasunella                   | Exploring Identity in Teaching Writing to Adult English Learners: Focus on Beginners  |
| Natasha Wickenheiser                 | Shifting the Responsibility of Writing Development: Habits of Mind, Self-Advocacy, and Student Agency                               |
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| <b>Room 350</b>                      | <b>The Role of Humanin</b>  |
| Prathyusha Guttikonda                | Examining the Binding of Humanin and Its Analogs to $\beta$ -amyloid and Identifying Their Novel Role as Potential Anticancer Drugs |
| Brandon Iwaniec                      | Blocking Amyloid Beta Aggregation by an Alzheimer's Survival Peptide  |
| Daniel Esckilsen                     | Investigating the Interaction of Humanin and $\beta$ -amyloid Using A549 Lung Cancer Cells  |
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| <b>Room 352</b>                      | <b>African History &amp; Political Ramifications</b>  |
| Amberlyn Britt                       | The Atlantic Charter and the Liquidation of the African British Empire  |
| Gregory Schwab                       | Strategic Minerals and Neoliberalism in South Africa and the Congo  |
| Anthony Bahlibi                      | Pan-Africanism and East African Integration, 1945-1977  |

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| <b>Session #2</b>                  | <b>10:30-11:45AM</b>  |
| <b>Room 300</b>                    | <b>Perspectives on Teaching</b>   |
| Justin Hopper                      | Examining Teaching as Performance: A Study of Developed Persona   |
| Lauren Mead                        | Faculty Perspectives of Student-Faculty Collaborative Course Design   |
| Cathy Renaud                       | Life Beyond the Classroom: The Transition to Retirement by Long-Serving Educators   |
| Hadeel Mohammed Jawad              | Exploring the best Method in Teaching Computer Programming in High Schools  |
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| <b>Room 301</b>                    | <b>The Culture of "Us"</b>  |
| LaMarcus D. Howard                 | To Graduate or Not: The Experience of Males of Color at EMU   |
| Rachel Ellenson                    | Cultural Landscapes and Re-Photography: Changing Cultures and Our Influence on the Landscapes Around Us                                 |
| Karine Bagoumian                   | Aliens  |
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| <b>Room 302</b>                    | <b>Children, Disease &amp; Development</b>  |
| Ana-Mercedes Flores<br>Casey Swick | Validation of PediaTrac™: A Tool for Early Identification of Atypical Development   |
| Emily Sisk                         | A Literature Review of the Impact On and Supports Available to Typical Developing Siblings Of Individuals with Autism Spectrum Disorder |
| Alix McLaughlin                    | A Case-Study Informed Literature Review of Family Factors in Children with Epilepsy   |
| Sara Acton                         | Qualitative Interviews in a James Bay Cree Community: Perspectives on Child Language Development  |
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| <b>Room 320</b>                    | <b>Understanding Animals, Plants &amp; Ecosystems</b>   |
| Michael Dryden                     | Validating a New Non-Motivated Animal Model for Studying Mouse Olfactory Behavior   |
| Nicholas Corniuk                   | Passive Sorting of Invasive Sea Lamprey Using Swimming Mode and Ability   |
| William Gillespie                  | Bird Call Classification  |
| Katelyn McKindles                  | Cyanophage Infection in <i>Microcystis aeruginosa</i> under Phosphorus Limited Stress   |
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| <b>Room 330</b>                    | <b>Administation, Leadership &amp; Mentorship in Higher Education</b>   |

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| Allison N. Boone<br>Kyle S. Martin | Understanding What, How, and Why Students Take Leadership Courses                             |
| Christine Lancaster                | Examining the Use of Qualitative Research to Inform the Field of Academic Advising            |
| Julie M. Kissel                    | Beyond the Apple Orchard: The Emergence and Evolution of Washtenaw Community College          |
| Devin Berghorst                    | Non-Clinical Critical Incident Case Management at the University of Michigan                  |
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| <b>Room 350</b>                    | <b>When Proteins Play a Role</b>  |
| Bridget Kennedy                    | Autophagy Related Protein 11 Expression and Binding Analysis by Size Exclusion Chromatography |
| Jasmine Winzeler                   | Elucidating Binding Regions for Atg9 on Atg11 - an Integral Organizer of Selective Autophagy  |
| Alyssa Winkler                     | Molecular Characterization of UHRF1 and UHRF2   |
|                                    |   |
| <b>Room 352</b>                    | <b>Language Functions</b>   |
| Michelle Eby                       | Exploring The Syntax of the Double Object Construction  |
| Danielle Clevenger                 | A Bayesian Account of Interpersonal Communication   |
| Danuta Allen                       | The Underlying Representation of Nasal Vowels in Polish                                       |
| Anya Freedman-Doan                 | A Voice at Its Finest: A Multidisciplinary Approach to Voice Rehabilitation                   |

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| <b>Session #3</b>  | <b>1:15-2:30PM</b>   |
| <b>Room 300</b>  | <b>The African American Life</b>   |
| Lauryn Tidwell   | The Global Impact of Black Culture in the Twentieth Century  |
| Sharon Burrell, Katherine Guyon-Harris                     | "You Can't Trust Them!" The Toxic Relationship between African-Americans and the Medical Profession                  |
| Courtney Morris<br>Jaborius Ball                           | Hip Hop: Product of My Environment   |
| <b>Room 301</b>  | <b>Diversity, Inclusion &amp; Training for the Workforce</b>   |
| Dar Mayweather   | Using Effective Intercultural Workgroup Communication to Facilitate Cultural Competence in Diverse Work Environments |
| Beth Grzelak   | Schools as Sites for Empowering Students as Citizens   |
| Alexander Ofili  | Minority Administrators' Perspectives on Leadership in Predominantly White Schools                                   |
| Christopher P. Maloney                                     | The Correlation of Conflict Behavior on Multicultural Industrial Work Team Performance                               |
| <b>Room 302</b>  | <b>Data Management &amp; Business Tools</b>  |
| Jason Walewski   | Comparison of Knowledge Management Literature from 2000 through 2016   |
| I Yu Liu   | The Framework of Software to Combine Internal Data with External Data in Business Analytics                          |
| Suganda kumari Pitchiah<br>Sriram Velumani                 | A Study On Reducing the Wait Time by Optimizing Operations of a Cafeteria Using Discrete Event Simulation            |
| William Gillespie<br>Andrew Bradley<br>Ling Cao<br>Wen Qin | Measuring Tutoring Lab Activity for Insights and to Better Allocate Tutors to High Demand Times                      |
| <b>Room 320</b>  | <b>The Power of Music</b>  |
| Keith Royal  | African American Social Justice Hymnody: Singing Dissent and Truth to Power and Ourselves                            |
| Shiho Takahashi  | How to Incorporate Multicultural Music in Music Class Curriculum   |

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| John P. Waling                | Music Therapy, The Arts, and Special Education  |
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| <b>Room 330</b>               | <b>Disability, Health &amp; Higher Education</b>  |
| Sarah Kurz Kyle Martin        | Graduate Student Mental Health: What We Know and Why We Need to Know More   |
| Yasmin Snounu                 | Perceptions of University Administrators on Accommodations for Students with Disabilities in the U.S. & Palestine                               |
| Forrest LaPointe              | Dancing in the Rain: Passion, Mindfulness, and Stress Management in Higher Education  |
| Erin Anderson                 | A Spectrum of Support: Supporting College Students with Autism Spectrum Disorder (ASD) on a College Campus                                      |
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| <b>Room 350</b>               | <b>Crisis &amp; War</b>   |
| Adam Franti                   | Our Renown is Not Yours: Militia Resistance in the War of 1812  |
| Eric Gills                    | The Congo Crisis, 1960-1965   |
| Goral Bhatt                   | Gendering Idi Amin's Dictatorship in Uganda, 1971-1979  |
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| <b>Room 352</b>               | <b>Classification &amp; Organization as a Tool for the World</b>  |
| Jacqueline Matheny            | Recording the Built Environment of Eastern Michigan University with Digital Technologies  |
| Julia Heck                    | Merged Divisions: An Exploration of Organizational Structure at Eastern Michigan University and its Impact on Traditional Student Affairs Roles |
| Katherine Swierz              | A Study of Logistic Regression as a Tool for Categorical Data Analysis  |
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| <b>Auditorium (1:15-2:50)</b> | <b>Arts Front</b>   |
| Aaron Smith                   | Fulminant // Sediment: A Taphonomy of Trauma  |
| Laura Earle                   | Permeable Space   |
| Raechael Bucher               | Exploring Sustainable Design in Apparel   |
| Steven Brancaleone            | This is Not Improvised: The Evaluation of Third Stream Music at its Present State   |
| Grace Mauk                    | Lay Down My Sword and Shield: A Study and Performance of 20th Century Protest Music   |

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| <b>Session #4</b>         | <b>2:45-4:00PM</b>  |
| <b>Room 300</b>           | <b>An Enviornmental Impact</b>  |
| Ozlem Kubra Akdogan       | Synthesis of "Green" Coatings by Dual-Cure Design Strategy  |
| Queen Umeana              | Identifying Wetland Restoration (Gained Wetlands) in Selected Counties in the State of Michigan   |
| Negar Heidari Matin       | Comparison of Design and Technology Used in Responsive Building Façades   |
| Vishal Muralidharan       | Design and Synthesis of Novel Bio-Based Silane-Terminated Polymers  |
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| <b>Room 301</b>           | <b>The Art and Science of Textiles</b>  |
| Preeti Arya               | Eco-Friendly Wrinkle Recovery Finish for Cotton   |
| Margaret A. Miller        | Same Actions, Different Meaning: An Exploration of Craft, Art and Class   |
| Roopkatha Pallye          | Development of Active Agent (Essential Oil) Releasing Automotive Interior Head-Liner Using PET Fabric                                     |
| Emily Schwinghamer        | Exploring Milkweed Seed Fibers for Use in Apparel   |
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| <b>Room 302</b>           | <b>Communities &amp; Their Development</b>  |
| Chanice Canady            | Globalization: A Hmong Case Study   |
| Yassir Elrayah            | Traffic Accident Locations and Their Spatial Association to Connected Vehicle Infrastructure – the City of Ann Arbor GIS-Based Case Study |
| Greta Bolhuis             | The Deception of Density: A Case Study of Wayne County, Michigan  |
| Dian Mangiring Arika      | Building Effective Community Development Models: Meeting the Local Needs of Papua and Java, Indonesia                                     |
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| <b>Room 320</b>           | <b>Science &amp; Impact of Machines &amp; Technology</b>  |
| Sama Wickramanayake       | Security Challenges for Mobile-Enabled Enterprises Across Android and iOS Platforms   |
| Sahil Koul                |   |
| Nadia Arafah              | Reviewing Socio-Economic Impact of 3D Printing Technology   |
| Andrew Artime             | The Benefits of Four-Parameter Logistic Regression for Machine Learning   |
| Raveshia Swar             | Root-Cause Analysis of a Defect in Automotive Coatings for ABS/PC Plastic Parts   |
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| <b>Room 330</b>                | <b>All About Gender</b>  |
| Saadet Durmaz                  | The Effects of CEDAW on Modern Turkish Feminism  |
| Briana Hodges                  | Women in Africa: Wicked, Independent and Sexual  |
| Michelle Dickson               | Gender and Health: Are Women Still Sicker Than Men?  |
| Stacey C. Gullion              | "Some Girl": Alex Gino's George, E.B. White's Charlotte's Web, and Character Performance as Gender Performance |
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| <b>Room 350</b>                | <b>A Part of the Home</b>  |
| Haley McAlpine                 | The Rise, Fall, and Rise (Again) of the American Pantry  |
| Nikolas Remley<br>Atman Fozdar | Anomaly Detection in Home-Area Network: A Practical Framework for the Smart Grid                               |
| Chelsea Dantuma                | The Seat of Life: The American Home Toilet   |
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| <b>Room 352</b>                | <b>Arab, Muslim &amp; Eugenics Studies</b>   |
| Nadia Hasan                    | Working With Arab and Muslim Students in the Classroom   |
| Hanadi H. Badaoui              | Religiosity, Religious Affiliation, and Mental Health: A Focus on Arab American College Students               |
| Michael J. Rozek               | Shifting Landscapes: The Arab-Muslim Conquests and Blurring Social-Religious Boundaries 630s—690s A.D.         |
| Jacque St. Antoine             | Criminals, Idiots, Imbeciles, and Rapists: The United States Eugenics Movement and Carrie Buck                 |