Administration

Chair(s):
Vice Chair:

8:45  **Capital vs. revenue expenditures.**  James W. Damitio, Central Michigan University; Philip L. Kintzele,* Central Michigan University

9:05  **Accountants writing apps: an introduction to big data.**  Steven A. Harrast*, Central Michigan University

9:30  **New capitalism and sustainable business practices.**  Jack D. Cichy*, Davenport University Grand Rapids

9:50  **Current status of the "management report" in corporate financial reporting.**  Philip Kintzele, Central Michigan University; Vernon Kwiatkowski*, Central Michigan University

10:10  **Break.**

10:20  **The “Cadillac” excise tax and its impact on quality of health coverage.**  Debra McGilsky*, Central Michigan University

10:40  **What really is data analytics and would this be useful for all organizations?**  Gary Hayes*, Central Michigan University

11:00  **Can an innocent spouse save a marital home from IRS foreclosure.**  William C. Hood*, Central Michigan University

11:20  **International marketing myopia, is it often ethnocentrism by another name?**  Richard D. Leininger*, Saginaw Valley State University

11:40  **Business Meeting.**

11:50 – 12:30 **Poster Session.**

12:30 – 2:20  **Academy Luncheon (ticket required).**
Biochemistry, Molecular Biology & Microbiology

Biochemistry & Molecular Biology
Chair(s):
Vice Chair:

Microbiology
Chair(s):
Vice Chair:

Biochemistry & Molecular Biology Presentations:

9:00 Cancer and chemicals: the use of a modified Ames test to investigate potential mutagenic substances. Delaney N. Large*, Lawrence Technological University; Shannon C. Timmons, Lawrence Technological University

9:20 A gene expression vector to observe the activity of the Hsp70 promoter in hyperglycemia. Andrew Larke* University of Michigan Flint; Frank Miskevich University of Michigan - Flint

9:40 Expression of microRNAs in breast cancer cells under stress conditions. Lauren Mason*, University of Michigan - Flint; Jaclyn O'Connor, University of Michigan-Flint; Joseph F. Sucic, University of Michigan - Flint

10:00 Neuropharmacological alterations of the aggressive behavior of crayfish. K. Ruvina*, Grand Valley State University; N. Franqui Diaz, University Of Puerto Rico-Arecibo; T. Johnston, Grand Valley State University; N. Hayden, D. Bergman, Grand Valley State University

10:20 Break.

Microbiology Presentations:

10:30 Taxon sampling influence on phylogenetic accuracy within prokaryotes. Ashley Superson*, Oakland University; Samantha Cassisi, University of Arkansas for Medical Sciences; Fabia Battistuzzi, Oakland University

10:50 Phage phinders: isolation and characterization of bacteriophage from suburban Detroit. Chase Gucwa*, Lawrence Technological University; Bridget Moricz*, Lawrence Technological University; Julie Zwiesler-Vollick, Lawrence Technological University

11:10 Characterization of a halotolerant microbe found in a roadside soil sample. Grant Beuschel*, Lawrence Technological University; David Stroshein*, Lawrence Technological University; Julie Zwiesler-Vollick, Lawrence Technological University

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).
Botany & Plant Ecology

Chair(s):
Vice Chair:

9:30  **Fossil pollen profile from Christmas Tree Bog: a late- and postglacial vegetation history in eastern Jackson County, MI.** Robert E. Bailey*, Central Michigan University

9:50  **Contribution toward a reassessment of the flora of Grand Rapids Region after 100+ years of development.** Dorthea Leisman* Calvin College; Emily Van Staaldruinen*, Calvin College; Garrett Crow, University of New Hampshire and Calvin College; and David Warners, Calvin College

10:10  **Initial report of the Ponderosa Flora, a new middle Miocene Megafossil Assemblage from Payette Lake, McCall, Valley County, Idaho.** Patrick F. Fields*, The College of Idaho, and Olivet College

10:30  **Evidence for adaptive evolution of methylbutenol emission from Pinus sp.** Dennis W. Gray*, Saginaw Valley State University

10:50  **Influence of autumn olive on soil fertility and greater implications to surrounding plant health.** Philip Tubergen*, Calvin College; Karissa Smit, Calvin College; David Dornbos, Calvin College

11:00  **Influence of autumn olive (Elaeagnus umbellata) on plant community composition and soil fertility.** Kara Smit*, Calvin College; Philip Tubergen, Calvin College; David Dornbos, Calvin College

11:20  **Business Meeting.**

11:50 – 12:30  **Poster Session.**

12:30 – 2:20  **Academy Luncheon (ticket required).**
Chemistry

Chair(s):
Vice Chair:

8:50  The efficient synthesis of warfarin analogs for comprehensive medicinal testing. Joseph R. Knoff*, Lawrence Technological University; Shannon C. Timmons, Lawrence Technological University

9:15  Computational studies of catechins. Montserrat Rabago Smith, Kettering University; Michael Stogsdill, Kettering University; Micheal Thomas*, Kettering University

9:40  Extraction of antioxidants from walnut husks using supercritical carbon dioxide with an ethanol modifier. Laron Burrows*, Evan Tucker, Alec Gradl, Nate Dwarshuis, Lihua Wang, Michelle Ammerman, Cheryl Samaniego, and Jonathan Wenzel, Kettering University

10:05  Break.

10:15  HPLC-MS, total phenolic content, and anti-cancer properties of supercritical extracts of walnut husks and chokeberries. Arie Stuckey*; Nicole Windle; Jason Davis*; Elijah Ward*; Lihua Wang; Michelle Ammerman; Cheryl Samaniego; Jonathan Wenzel; Kettering University

10:40  PAMAM Dendrimer nanocontainers: A General Chemistry capstone laboratory experiment using nanomaterials. Ryan T. Hayes*, Andrews University; David W. Randall, Andrews University; Seth Campbell, Andrews University

11:05  Isolation, characterization, and mutagenicity of heterocyclic amines derived from burnt arginine and phenylalanine. Zachary Reichert*, Andrews University; Michael Plantak*, Andrews University; Robert Zdor, Andrews University; Ryan T. Hayes, Andrews University

11:30  Business Meeting.

11:50 – 12:30  Poster Session.

12:30 – 2:20  Academy Luncheon (ticket required).
Communication

Chair(s):
Vice Chair:

8:30  **Social media for literary good: a case of facebook.**  Anil Singhal*, Central University of Himachal Pradesh, Dharamshala, India

8:45  **Gone viral.**  Victoria Mellino*, Olivet College

9:00  **The pixel, the plague: examining the role of video games in public reactions to epidemics.**  Matt Ftacek*, Northern Michigan University

9:15  **Fair trade as a communicative relationship.**  Bradley Wolfe*, Minnesota State University, Mankato

9:30  **Teaching business Chinese through soap operas.**  Wei-li Wu*, Saginaw Valley State University

9:45  **Communication surrounding LGBT conversion therapy.**  Samantha Macy*, Casey Watts, and Darren Tilles, Western Michigan University

10:00  **Break.**

10:10  **A semiotic look at the Seventh-day Sabbath as a biblical sign.**  Rachel Williams-Smith*, Andrews University

10:25  **Potential identities: a case study of professional coach-client communication.**  Scott Shank*, Western Michigan University; Julie Apker, Western Michigan University

10:40  **Responses to advertising and associated attitudes toward women in leadership.**  Lauren Potts*, Purdue University

10:55  **Negative effects of the male gaze on American culture and media.**  Hannah Scott*; Olivet College

11:10  **Portraits of our men: addressing negative African American male media stereotypes.**  A'Kena LongBenton*, Wayne State University

11:25  **Reasons for eating disorder disclosure/ nondisclosure in friendships: applying a model of eating disorder-disclosure decision making among men ages 18-24.**  Ashleigh Shields*, Purdue University

11:50 – 12:30  **Poster Session.**

*Section program continued – see next page*
12:30 – 2:20  Academy Luncheon (ticket required).

2:30  Revisiting King’s metaphors to address racial tension. Pamela Sherstad*, Grace Bible College

2:45  Superwoman/side chick: Is BET's Being Mary Jane the new representation of black women in America. Meika J. Cole*, Oakland University

3:00  Managing identity gap: exploring experiences of first generation college students. Jennifer Ptacek*, Purdue University

3:15  Depth of field: learning to communicate complexity in high school. Serge Danielson-Francois*, Lawrence Technological University; Eric Haley, Divine Child High School

3:30  Communicating pedagogical awareness: an altruistic look at data sharing. David A Rosteck*, University of Arizona

3:45  German and English “or” questions: all about knowledge or. Veronika Drake*, Saginaw Valley State University

4:00  Business Meeting
Computers

Chair(s):
Vice Chair:

8:30 Predictive analytics as an enhancement for traditional information assurance risk management. Gregory S. Laidlaw*, University of Detroit Mercy

8:55 Multithreaded computation support in D programming language. Ishwar Rattan*, Central Michigan University

9:20 Strengths and weaknesses of test-driven development. William W. McMillan*, Concordia University, Ann Arbor

9:45 Access control in mobile devices using tiny sesame. Biswajit Panja* and Udayasree Kopperla, Eastern Michigan University

10:10 Break.

10:20 Making a mobile app for anybody. Star Swift*, Grand Valley State University; Justin Melick*, Grand Valley State University

10:45 Asynchronous programming paradigm in node.js with socket.io. Augustine Ikeji*, Eastern Michigan University

11:10 Bio-metrics and its uses, advantages, drawbacks, applications and trends. Syam Narikamalli*, Eastern Michigan University

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

2:30 Business Meeting.

2:40 Data cleansing in data warehousing. Pratyusha Vankayala*, Eastern Michigan University

Economics

Chair(s):
Vice Chair:

9:00   How the state of the U.S. economy influences the stock market. Theresa Bolchi*, Oakland University

9:15   The "great recession". Spencer McCourt* and Peter Lochbiler, Northwood University

9:30   The impact of the auto industry on Michigan unemployment abstract. Kevin Kelley*, Oakland University

9:45   Accounts receivable, accounts payable and supply chain bullies: a Markov chain liquidity model. George Chang*, Grand Valley State Univ.; Phil Horvath, Bradley University

10:00  Health shocks and labor market: a cancer case study. Maryam Jafari Bidgoli*, Wayne State University; Jennifer Ward-Batts, Wayne State University

10:15  The effect of age on health insurance premiums by state. Jeremy Waak*, Oakland University

10:30  Break.

10:40  Alarming behavior: the social consequences of home burglar alarms. Kristen Collett-Schmitt*, University of Notre Dame


11:10  Neo-mercantilism. Tony Sierra* and Kristin Tokarev, Northwood University

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

2:30   The effect of immigration on crime rates. Cindy Baker*, Oakland University


3:00   Cultural effect on gross national income of developing countries. Justin Sarna*, Oakland University

Section program continued – see next page
3:15  **Flipping principles of economics.**  Patrik Hultberg*, Kalamazoo College

3:30  **Fostering critical thinking in an economics class while improving student performance.**  Ronald L. Tracy*, Oakland University

3:45  **Comparing the global demand for YouTube content across different genres of videos.**  Mike Mosher*, Saginaw Valley State University

4:00  **Religion and economics.**  Noah Stoffel* and Edward Nepi, Northwood University

4:15  **Central Bank independence and monetary policy credibility, from developing countries.**  Ba Adama*, Independent Scholar

4:30  **Business Meeting.**
Education

Chair(s):
Vice Chair:

**Morning Session A: 8:45 – 11:40**

8:45 **Examining E-Rate modernization in Michigan schools.** Chris McGovern*, Connected Nation, Inc.; Tom Koutsky, Connected Nation, Inc.; Hongqiang Sun, Connected Nation, Inc.

9:05 **A life full of learning experiences.** Indrit Vucaj*, Oklahoma State University

9:25 **From Michigan to Malawi and back.** MaryAnne P. Shannon* (Emeritus), Lake Superior State University

9:45 **Rejuvenating the Declaration of Independence in education - key to liberty.** Michael Warren*, Cornerstone Schools Association; Patriot Week (co-creator and Chairman); Oakland County Circuit Court

10:05 **Break**

10:20 **High touch: a case study of advocacy in design education.** Edward M. Orlowski*, Lawrence Technological University

10:40 **Impact of the frequency of Simulation Center trainings on Social Work students’ interviewing performance.** Brandon Youker, Grand Valley State University; Steven Smith, Grand Valley State University; Ouen Hunter*, Grand Valley State University; Mallory McFarren*, Grand Valley State University; Kenneth Ford*, Grand Valley State University

11:00 **A very different way of running your course and assessments: an objectives-mastery modular system.** David Schuster*, Western Michigan University; Otho Ulrich*; Western Michigan University

11:20 **Self-assessment of Bachelor of Social Work students’ religiosity, competence, and experiences.** Shelby Bruseloff*, Grand Valley State University

**Morning Session B: 9:00 – 11:40**

9:00 **Education leadership and student voice: the case for education reform.** Theresa Saunders*, Eastern Michigan University

9:20 **Is it time to overhaul teacher preparation in Michigan?** Barbara Lubic*, Grand Valley State University; Marty Abramson, Grand Valley State University

*Section program continued – see next page*
9:40  Building sustainable professional development school partnerships. Ray Francis*, Central Michigan University; Mark Deschaine*, Central Michigan University

10:00  Community reciprocity and academic rigor in study abroad. Joel Raveloharimisy*, Andrews University; Ave Altius*, Andrews University

10:20  Break

10:40  The effect of neoliberalism in higher education: how higher education is shifting from its original mission. Protas A. Makimu*, Andrews University

11:00  Error: Royals are walking barefooted; servants are riding on horses. Kwadwo A. Okrah*, Indiana University - South Bend

11:20  The significance of literacy in modern society. Roger Wilson*, Grand Valley State University

Morning Session C: 9:00 – 11:40

10:40  A step beyond qualitative research in special education. Phil Smith*, Eastern Michigan University; Kira Dallaire*, Eastern Michigan University; Rachel Lewandowski*, Eastern Michigan University; Jacquie St. Antoine*, Eastern Michigan University

11:00  Addressing social/emotional behaviors through mentor texts in a kindergarten classroom. Shelly Coman*, Bangor Township School District and Central Michigan University

11:20  Implementing a lead instructor model in higher education. Kristina Rouech*, Central Michigan University

11:50 – 12:30  Poster Session.

12:30 – 2:20  Academy Luncheon – (ticket required).

Afternoon Session A: 2:30 – 4:00

2:30 – 2:40  Business Meeting (location to be announced)

2:40  Motivations for learning among different science courses. Lisa M. DeChano-Cook*, Western Michigan University; Aimee J. Moore*, Western Michigan University

3:00  Liberal education and working adults after World War II. Jim Novak*, Madonna University

Section program continued – see next page
3:20  Aligning dual credit programs within the college readiness framework. Lina H. Jawad*, University of Michigan – Dearborn

3:40  Student motivation for attending college and the effects on academic success. Riley Richards*, Western Michigan University; Eric Mishne*, Western Michigan University; Cassandra Stagner; Western Michigan University; Noor Attar, Western Michigan University

Afternoon Session B: 2:30 – 4:00

2:30 – 2:40  Business Meeting (location to be announced)

2:40  The effect of a science lesson on 6th grade students’ knowledge and perceptions of water pollution. Sebehate Ajdini, Marygrove College; Li-hsuan Yang*, Marygrove College

3:00  Supporting students with special needs in exploring STEM careers. Beverly Schumer*, Baker College of Flint; Bonnie Massoud Baker College of Flint

3:20  A successful model for fostering interdisciplinary collaboration through a faculty journal club. Shane Cavanaugh*, Central Michigan University; Julie Cunningham*, Central Michigan University

3:40  Saginaw Valley State University STEM opportunities camp. Amy Hlavacek*, Saginaw Valley State University; Jan Hlavacek, Saginaw Valley State University; Christopher Nakamura*, Saginaw Valley State University

Afternoon Session C - 2:30 – 4:00

2:30  Business Meeting (location to be announced)

2:40  Educating educators: implementing quality teaching online certification programs that instruct teachers to design and deliver effective online courses. Rachel Smydra, Oakland University;*Katie Mysen*, Oakland University; Katie Jostock*, Oakland University

3:00  Breastfeeding and human lactation curricular content of Family Nurse Practitioner programs. Elaine Webber* and Mary Serewoky*, University of Detroit Mercy


3:40  Museum education and integration of Yemeni students. Marion Tate* Wayne State University; Navaz Bhavnagri*, Wayne State University
Engineering

Chair(s):
Vice Chair:

9:00  **Simulation of fluid and structure interaction for design of pressure-progressing spary fitting apparatus.**  Michael Hess*, Andrews University; Rufaro Musvosvi, Andrews University; Hyun Kwon, Andrews University

9:25  **Vibration characteristics of a guitar using finite element and digital image correlation techniques.**  Javad Baqersad*, Kettering University; Jiaqi Huang, Kettering University; Daniel Ludwigsen, Kettering University; Azadeh Sheidaei, Kettering University; Bluejay Robinson, Correlated Solutions

9:50  **Analysis of clathrin-coated pit nucleation using Ising lattice gas model.**  Kiran Vekaria*, Kettering University; Gillian Ryan, Kettering University

10:15 **An excitable model of internal symmetry breaking in Dictyostelium Discoideum.**  Cody Grant*, Kettering University; Gillian Ryan, Kettering University

10:40  **Production scheduling in green manufacturing systems.**  Farnaz Ghazi Nezami*, Kettering University

11:05  **Business Meeting.**

11:50 – 12:30  **Poster Session.**

12:30 – 2:20  **Academy Luncheon (ticket required).**

2:30  **Thermally reduced Graphene Oxide-Nickel foam electrodes for Supercapacitors.**  Uma Ramabadran*, Kettering University; Gillian Ryan, Kettering University; Xuan Zhou, Kettering University; Yigang Tong, Kettering University; Susan Farhat, Kettering University; Graham Garner, Kettering University

2:55  **The investigation of smart magnetic nanoparticles for use in the hyperthermia treatment of cancer.**  Meagan M. Allyn*, Kettering University; Parashu R. Kharel, South Dakota State University; Prem. P. Vaishnava, Kettering University; Ronald J. Tackett, Kettering University

3:20  **Organizational quality implementation theory analysis.**  Jake Stevens*, Kettering University
Environmental Science & Ecology

Chair(s):
Vice Chair:

8:30  DNA fingerprinting of Charity Island Phragmites (Phragmites australis). Courtney Franzel*, Saginaw Valley State University; David J. Stanton, Saginaw Valley State University

8:45  Mammals and amphibians of Charity Island, Lake Huron: changes over the last century. Giorgia Auteri*, Eastern Michigan University; Corrie Navis, Eastern Michigan University; and Allen Kurta, Eastern Michigan University

9:00  Can crayfish distinguish between variable oxygen concentrations. A. N. Steele*, Saginaw Valley State University; M. L. Strasburg, Miami University; A. L. Martin III, Saginaw Valley State University

9:15  Postglacial dispersal of smallmouth bass into mid-Michigan rivers. Jarrett Page*, Saginaw Valley State University; Cal Borden, Saginaw Valley State University

9:30  Break.

9:45  DNA fingerprinting of zebra mussels (Dreissena polymorpha) from Higgins Lake, Michigan. Jacob Beasecker*, Saginaw Valley State University; David J. Stanton, Saginaw Valley State University

10:00  Effects of environmental choice in nicotine exposure on development and behavior of the fruit fly (Drosophila melanogaster). Justin Dzobia, Stephen Houlihan*, Thomas Trinklein*, Matthew Windy* and Gary M. Lange, Saginaw Valley State University

10:15  Environmental effects on crayfish shelter preference. Brady Nitschmann*, Saginaw Valley State University; Arthur Martin, Saginaw Valley State University

10:30  Isolation and characterization of microbes native to the Tittabawassee and Saginaw river basins that can degrade dioxins and furans. Nicholas Wolter*, Tia Sova, Jessica Smith, and James L. McEvoy, Saginaw Valley State University

10:45  Break.

11:00  Stirring frequency effect on power consumption and biogas production for lab scale anaerobic digesters. Jasmine Arnold*, Kettering University; Patricia Valadares, Federal University of Uberlândia; Michelle Ammerman and Steve Nartker, Kettering University

11:15  DNA fingerprinting of walleye (Stizostedion vitreum) from Saginaw Bay and spawning populations. David J. Stanton*, Saginaw Valley State University

11:30  Business Meeting.
11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

2:30 The effects of flow and agonism on social status in the crayfish, *Orconectes propinquus*. Mary Kate Little*, Tim Bourcier, and Arthur Martin, Saginaw Valley State Univ.

2:45 Dune habitat influences threatened thistle: *Cirsium pitcheri* at Rosy Mound Natural Area. Michael G. Messina*, Calvin College; Nathaniel H. Bos, Calvin College; Ellis Ortiz Chalfant, Calvin College; DeAnna Clum, Calvin College; Carolyn Lindemulder, Calvin College

3:00 Break.

3:15 The role of cities in facilitating American Goldfinch (*Spinus tristis*) overwintering at high latitudes. Corrie Navis* and Peter Bednekoff, Eastern Michigan University

3:30 Effects of bupropion on crayfish (*Orconectes rusticus*). Cassidy Florey*, Saginaw Valley State University

3:45 Exploring the impact of dams on the genetic health of sicklefin chub populations in the Missouri River system. Meagan McNinch*, Saginaw Valley State University
French & Italian Language and Literature

Chair(s):
Vice Chair:

10:00 Liberté, Fraternité, et Égalité: l'échec de la devise française dans « la Seine était Rouge » de Leila Sebbar. Pauline Remy*, Hope College

10:30 Le Romanesqui au service de la polémique: Montevideo ou Une Nouvelle Troie d'Alexandre Dumas. Henry Cohen*, Kalamazoo College

11:00 Classicism and the Age of Enlightenment: a contrast between Andromaque and The Game of Love and Chance. Jaclyn Maraldo*, Wayne State University

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

2:30 Curious re-writings of Charles Perrault’s La Barbe Bleue. Adrion Dula*, Wayne State University

3:00 Les contes du monde francophone: que scay-je? Daniel Noren*, Ferris State University

3:30 Thinking about identity-driven choices in foreign language teaching at the postsecondary level: Our reflections through autobiographic narrative. Lindsay Todd-Colby*, University of Michigan - Dearborn; Jerilyn Mannion*, University of Michigan - Dearborn; John Plews, Saint Mary's University

4:00 Business Meeting.
Geography

Chair(s):
Vice Chair:

11:50 – 12:30 *Poster Session.*

12:30 – 2:20 *Academy Luncheon (ticket required).*

2:30 *Business Meeting.*

2:40 **Spatial and temporal change in China’s meat production: 1978 – 2014.** Gregory Veeck*, Western Michigan University

3:00 **Mapping land cover changes along the Kawkawlin river using 1938 and 2014 aerial photography.** Erik Breidinger*, Saginaw Valley State University; Rhett Mohler, Saginaw Valley State University

3:20 **Investigating a guided educational tour visitors’ conceptual understanding of science.** Joseph Martin Lane*, Western Michigan University

3:40 **Internal migration employment in Shanghai urban renewal sites.** Jacob Watkins*, Western Michigan University
Geological Sciences

Chair(s):
Vice Chair:

8:30  **New AMS radiocarbon bone and tusk dates for Late Pleistocene mastodons in southeast Michigan.** Michael L. DeTizio*, Wayne State University; John M. Zawiskie, Cranbrook Institute of Science; Irina P. Panyushkina and Steven W. Leavitt, University of Arizona

8:50  **The Rappuhn mastodon revisited.** John M. Zawiskie*, Cranbrook Institute of Science; Michael L. DeTizio, Wayne State University; Irina P. Panyushkina and Steven W. Leavitt, University of Arizona

9:10  **A record of hibernation for Pliocene and Pleistocene ground squirrels of the Great Plains.** Randy Sanchez*, Andrews University; H. Thomas Goodwin, Andrews University

9:30  **Slug tests in unconfined aquifers.** Rozkar Ismael* and Duane R. Hampton; Western Michigan University

9:50  **Break.**

10:00  **Mapping glacial aquifer yields from the enhanced Wellogic data.** David P. Lusch*, Michigan State University

10:20  **Formation of skarns in arkosic conglomerates from the Keweenaw Peninsula.** Matthew Stark*, Hope College; Edward Hansen, Hope College

10:40  **Modeling carbonaceous chondrites through artificial reconstruction.** Mason J. Molesky*, Alma College; Sarah J. Jack, Alma College; Angie N. Clayton, Alma College; Melissa M. Strait, Alma College; Dan D. Durda, Southwest Research Institute; George J. Flynn, State University of New York-Plattsburgh

11:00  **Age of inland eolian dunes in Ottawa County, Michigan: New radiocarbon and optically stimulated luminescence ages.** Patrick M. Colgan*, Grand Valley State University; Sara Thirkettle, Grand Valley State University; William H. Amidon, Middlebury College

11:20  **The effect of extratropical cyclones on a Lake Michigan blowout.** Edward Hansen*, Hope College; Brian Yurk, Hope College

11:50 – 12:30 **Poster Session.**

12:30 – 2:20 **Academy Luncheon (ticket required).**
2:30 The physiographic rearrangement of Crystal Lake. Stacy Leroy Daniels*, Crystal Lake & Watershed Association; Randall J. Schaetzel, Michigan State University; Michael Michalek, Michigan State University

2:50 Frank Bursley Taylor’s contributions to Canadian glacial studies. Diane Baclawski*, (retired) Michigan State University

3:10 Break.

3:20 Mapping and characterizing the loess cover on the Buckley Flats, northwestern lower Michigan. Kelsey E. Nyland*, Randall J. Schaetzel, and Anthony Ignatov, Michigan State University; Bradley A. Miller, Iowa State University

3:40 Kame deltas of Glacial Lake Roscommon help to constrain the timing of glacial retreat from central lower Michigan. Sarah Thomas*, Clarissa Winters, Sara Bolstetter, and Randall Schaetzel, Michigan State University
Health & Human Services

Chair(s):
Vice Chair:

8:30 Welcome.

8:40 Can you evaluate a program without knowing its goals?…Yep! Brandon W. Youker*, Grand Valley State University

9:00 The practice doctorate in nursing: an evaluation of graduate outcomes and their impact. Patricia A. Rouen* and Janet M. Baiardi*, University of Detroit Mercy

9:20 Comparison of beliefs, practices, and knowledge regarding alcohol based hand sanitizer and soap and water hand washing among Marygrove science and non-science majors. Fareeda A. Rahmaan*, Wissam Alawai*, Haidar Alhazad, Amatullah Flenori, and Stephanie Taylor, Marygrove College

9:40 Educating nursing faculty about academic dishonesty. Laurie C. Blondy*, Eastern Michigan University

9:50 Break.

10:10 Does size matter? A quantitative study of patient experience self-reported by U.S. for-profit, non-profit, and governmental hospitals from 2009 to 2012. Lihua Dishman*, Lawrence Technological University

10:30 The global imperative "world wellness". Zigmond Kozick*, University of Detroit Mercy and Central Michigan University

10:50 The effect of gross domestic product on HIV infection rate. Viktoria L. Kolpacoff*, Andrews University; Shandelle M. Henson, Andrews University

11:10 Obesity, food deserts and the public health dilemma: how to improve on existing programs in Berrien County, Michigan. Laura Sohn*, Andrews University

11:30 Section Business Meeting.

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

2:30 Music therapy in dementia care. Amy Gillman*, Eastern Michigan University; Minnie Bluhm, Eastern Michigan University
2:50  They are like us...are they? how the eating, swallowing and drinking difficulties of young adults with Down Syndrome alter the lives of their families and caregivers. Alexa Ruhfass*, Oakland University

3:10  Falls and post-acute stroke patients. Nicole Stiltner*, Eastern Michigan University; Minnie Bluhm, Eastern Michigan University

3:30  Therapeutic exercise. Dallas James*, Olivet College

3:50  The influence of coaches on athletes' confidence. Bailey Tyler*, Olivet College
History

Chair(s):
Vice Chair:

9:30 Welcome.

9:35 The Schmalkaldic League and Lutheran Germany. Josh Schneider*, Aquinas College

9:50 Commentary and satire Karl Marx. Brett Guest*, Aquinas College

10:05 Catholic danger and protestant perseverance. Bethany Kilcrease*, Aquinas College

10:20 Meteorites in Mecca: the continuation of pre-Islamic stone veneration. Brian Bradford, Independent Scholar

10:35 Break.


11:00 To "civilize" the woods and the prairies: Native American boarding school buildings as a tool for assimilation. Jason M. Tetzloff*, Kirtland Community College

11:15 Patriots and Indians: revolutionary relationships. Jeff W. Dennis*, Southwest Michigan Community College

11:30 Business Meeting.

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).


2:45 Call and Response: two visions of place. Daniel Kosuth*, Oakland University

3:00 Women at Olivet College during the late 1800s through the 1950s. Rebecca Deweese*, Olivet College
Interdisciplinary Studies

Chair(s):
Vice Chair:

8:30  The original contribution of “comprehensive” interdisciplinary inquiry. Benjamin Bennett-Carpenter*, Oakland University

8:45  Multidisciplinary education improves student outcomes and veterans lives. Molly McClelland*, University of Detroit Mercy; Darrell Kleinke*, University of Detroit Mercy; Mansoor Nasir*, Lawrence Technological University

9:00  Organizing and implementing interdisciplinary research projects. Laurence E. Winters*, Fairleigh Dickinson University

9:15  Service-learning across the disciplines. Glenn Fischer*, Madonna University; Neal Haldane*, Madonna University; Veronica Riha*, Madonna University

9:30  Viewing environmental stewardship through the lenses of the humanities. Gary L. Hauck*, Montcalm Community College

9:45  Identifying conditions that dictate when development assistance should bypass third-party bilateral and multilateral organizations. Khadeen Grant*, Andrews University; Joel Raveloharimisy*, Andrews University

10:00  Rethinking the Black Power movement in the age of Black Lives Matter. Madera Edwards*, Fairleigh Dickinson University, Teaneck NJ

10:15  Biography of place: exhibiting the architectural legacy of the Cranbrook Educational Community. Deirdre L. C. Hennebury*, Lawrence Technological University

10:30  A virtual reality fine art museum. Mike Mosher*, Saginaw Valley State University

10:45  A quantitative analysis of pre and post WWI art. Melinda Weinstein*, Lawrence Technological University; Lior Shamir, Lawrence Technological University; Gordon Stein*, Lawrence Technological University; Dane Falberg*, Lawrence Technological University

11:00  Researching the musical image: toward scholarly symmetry. Wm. Keith Heimann*, Brookdale Community College


11:50 – 12:30  Poster Session.

12:30 – 2:20  Academy Luncheon (ticket required).
Language & Literature

Chair(s):
Vice Chair:

Morning Session A: 9:00 - 11:40

9:00 Slamming stages and published pages: intersectionality, masculinity, marginality, and identity in the work of Jamaal May and Patricia Smith. Denise R. Ervin*, Marygrove College

9:15 African American vernacular english: a critical voice in poetry. Teachia Clark-Williams*, Lawrence Technological University

9:30 Race neutrality or bi-racial identification: color-blindness in Harper Lee's. Georgia Kreiger*, Concordia University - Ann Arbor

9:45 Close readings of faraway literature: A hypertext of "the god of small things". Olivia E. Laux*, Alma College

10:00 – 10:30 Discussion.

10:30 ‘Gallons of tears to wash the walls clean’: enabling/disabling representations in Ubu and the Truth Commission. Sarah Shields*, Oakland University

10:45 "Red rover, red rover, just come on over": teaching and learning migration in world literature. Victoria Kelly*, Alma College

11:00 Thinking inside the panels: teaching composition through comic books. Greg Wright*, Saginaw Valley State University

11:15 – 11:40 Discussion.

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

Morning Session B: 9:00 - 11:20

9:00 The use of the horse in D. H. Lawrence’s Rocking Horse Winner: It s development and significance to Lawrence. Martin Maynard*, Indiana State University

9:15 It's Joss Whedon's world and we're all just livin' in it: claustrophobia and the "closed frame" in the Whedonverse. Kirk Hendershott-Kraetzer*, Olivet College

Section program continued – see next page
9:30  **Hannibal: a horrific attempt at humanizing.** LeeAnne Wonser*, Olivet College

9:45 – 10:10  **Discussion.**

10:10 – 10:55  **Panel**

_Invisible boundaries: mapping identity through the supernatural in Henry James' *The Turn of the Screw*._ Shannan O'Neil*, Oakland University

_Ascending the staircase: architectural hauntings in Danielewski's *House of Leaves*_.

_Erika Carbonara*, Oakland University

_Ghosts and the time-space collapse of remembrance in Amy Tan's *The Hundred Secret Senses*._ Katherine E. Gillary*, Oakland University

10:55 – 11:20  **Panel Discussion.**

11:50 – 12:30  **Poster Session.**

12:30 – 2:20  **Academy Luncheon (ticket required).**

**Afternoon Session A: 2:30 - 5:00**

2:30  **Business Meeting** (location to be announced).

2:40  **“A poet of nature”: how William Wordsworth’s poetry reflects conservationist ideology of a patriarchal society.** Shelley Converse-Rath*, Indiana State University

2:55  **Pantheistic and neoplatonic influences in the poetry of Wordsworth and Coleridge - a prologue.** Norman Miller*, Indiana State University

3:10  **Standing at her helm: the formal and metaphorical function of “The lee shore” in Herman Melville’s *Moby-Dick*.** Emily Benoit*, Oakland University

3:25 – 3:50  **Discussion.**

3:50  **Poe’s memo: analysis through computational business software.** Thomas Tufts*, Lawrence Technological University

4:05  **The poem in online spaces: questions of aesthetic fragmentation and identity.** Sarah Fewkes*, Lawrence Technological University

4:20  **The nature poetics of Mei-mei Berssenbrugge: a journey to interconnectedness.** Jacklene E. Johnson*, Marygrove College

4:35 – 5:00  **Discussion.**

*Section program continued – see next page*
Afternoon Session B: 2:30 – 3:50

2:30  Business Meeting (location to be announced).

2:40  Diphthong discovery: an uncharted variant pronunciation in Midwestern American English. Christopher R. Sweet*, Saginaw Valley State University

2:55  Idioms and the non-native speaker. Michele Bierzynski*, Oakland University

3:10:  Transliteration or translation: English loanwords in Chinese. Fu-Tsai Hsieh*, Ming Chuan University and Saginaw Valley State University; Li-Fang Qiu*, Saginaw Valley State University and Ming Chuan University

3:25 – 3:50  Discussion.

Afternoon Session C: 2:30 – 4:10

2:30  Business Meeting (location to be announced).

2:40  An analysis of Gonzalo de Berceo's Fornicating Sexton. Daniel J. Gildner*, Oakland University


3:10  Shakespeare’s 5th age: The collaboration of Pericles. Robert Lamphear*, Oakland Community College

3:25  If somebody knows about that nose, it’s not the forgetful maid: false memory and the environment of recall in Tristram Shandy. Kylene Cave*, Michigan State University

3:40 – 4:10  Discussion

Library & Information Services

Chair(s):
Vice Chair:

8:30 Using debate to teach primary source literacy. Ruth Ann Jones*, Michigan State University Libraries

8:50 Objective research? Information literacy instruction perspectives. Terry Dwain Robertson*, Andrews University

9:10 Poetry and performance: programming for National Poetry Month at the Western Michigan University Libraries. Mike Duffy, Western Michigan University; Kathleen Langan, Western Michigan University; Lou Morgan, Western Michigan University; Susan Steuer*, Western Michigan University; Marianne Swierenga*, Western Michigan University

9:30 SiRO: Studies in Radicalism Online. Michael Rodriguez*, Michigan State University

9:50 Supplementing curriculum analysis with graph databases: an opportunity to forge new librarian roles and relationships. Keith Engwall*, Oakland University William Beaumont School of Medicine

10:10 Business Meeting & Break.

10:25 Within and without: academic privilege and the standpoint of public service librarians. Sara D. Miller*, Michigan State University; Rachel M. Minkin*, Michigan State University

10:45 Highlighting presidential legacies. Jennie Russell*, Michigan State University

11:05 Curating sister city heritage: a virtual exhibit on Toledo's sister cities. Arjun Sabharwal*, The University of Toledo

11:25 What’s in it for me? Factors affecting faculty’s decision to self-archive. Kevin McDonough*, Northern Michigan University; Bruce Sarjeant*, Northern Michigan University

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

Section program continued – see next page

2:30 Balancing an institutional repository, Web archive and discovery tool. Maira Bundza*, Western Michigan University
2:50  **Michigan's floras in Academy publications: a compilation and mapping project.** Suzanne Teghtmeyer*, Michigan State University Libraries

3:10  **Defining ‘authority’ in nursing education textbooks, c. 1930s: an examination of core texts from a hospital-based registered nurse program.** Elizabeth Bucciarelli*, Eastern Michigan University


3:50  **Ohio's College Credit Plus: preK-12 and university perspectives.** Susan Miko* Learning Advantage Consultants; Chris Miko* Bowling Green State University

4:10  **Assessing the dreaded backlog: reclaiming storage space one accession at a time.** Megan Badgley Malone*, Michigan State University Archives and Historical Collections

4:30  **It takes a Venn diagram: the impact of a shared catalog on two distinct libraries.** Diane Donham* Library of Michigan; Sharon Ladenson* Michigan State University Libraries

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**Mathematics**

Chair(s):
Vice Chair:

8:30  **Riemannian submersion invariant and geodesics.** Yun Myung Oh*, Andrews University

8:50  **A general elliptic nonlinear system of two functions with application.** Joon Hyuk Kang*, Andrews University; Timothy Robertson* Andrews University

9:10  **On the logistic equation with two delays.** Amera Almusharrf*, Oakland University; Meir Shillor, Oakland University; Anna Spagnuolo, Oakland University

9:30  **A mathematical model of Chagas disease dynamics in the Gran Chaco Region.** Anna Maria Spagnuolo*, Oakland University; Daniel J. Coffield Jr., University of Michigan - Flint; Alex M. Carignan, Purdue University; Hee-Jin Corcoran, University of Washington, Seattle; Brandy VanLoo, Oakland University; Meir Shillor, Oakland University

9:50  **A mathematical model of animal behavior.** Saharsh Dass*, Andrews University; Shandelle M. Henson, Andrews University; James L. Hayward, Andrews University

10:10 **Effects of warming seas: cannibalism and reproductive synchrony in a seabird colony.** Shandelle M. Henson*, Andrews University; James L. Hayward, Andrews University; J. M. Cushing, University of Arizona

10:30 **Mathematical model and simulations of MERS outbreak.** Sadoof Alaswad, Ministry of Health Portal, Nofe Al-Asuoad*, Oakland University; Libin Rong, Oakland University; Meir Shillor, Oakland University.

10:50 **Numerical differentiation on arbitrary lattices.** Brian J. McCartin*, Kettering Univ.

11:10 **An introduction to Tropical Geometry.** Rostam Sabeti*, Olivet College

11:30 **Systematic investigations into the mathematics of empiricism.** Brian Dalluge*, Kalamazoo College.

11:50 – 12:30 Poster Session.

12:30 – 2:20  **Academy Luncheon (ticket required).**

2:30  **Business Meeting**

2:40  **Mathematics in the art of dance.** Courtney Ozog*, Marygrove College

3:00  **Closed modular colorings of grid graphs.** Jan Hlavacek*, Saginaw Valley State University; Garry Johns, Saginaw Valley State University
3:20  **Let start measure uncertain dependence in the classroom.**  Boyan Dimitrov*, Kettering University

3:40  **Proof grading: is it worth your time and effort.**  Robert C. Moore*, Andrews University; Martha Byrne, Earlham College; Sarah Hanusch, Texas State University; Tim Fukawa-Connelly, Temple University

4:00  **Effects of online versus face-to-face instruction on students’ ability to solve word problems.**  Mustafa Demir*, University of Detroit Mercy

4:20  **Some new results on debonding and on the friction coefficient.**  Meir Shillor*, Oakland University

4:40  **Analysis and simulations of debonding bonded rods caused by humidity and thermal effects.**  Pawel Marcinek*, Oakland University; Meir Shillor, Oakland University

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Medieval Studies

Chair(s):
Vice Chair:


11:00  Medieval pedagogy in the modern classroom: the innovations of Sacrobosco's Sphaera Mundi.  Jonathan Klauke*, Mid-Michigan Community College

11:30  Business Meeting.

11:50 – 12:30  Poster Session.

12:30 – 2:20  Academy Luncheon (ticket required).

2:30  Ramon Llull's new religious conversion method as a model for peace.  Katherine Vaillancourt*, Alma College

3:00  Towards a prosopography of the text: authorship, patronage networks, and the textual transmission of Marguerite Porete’s Mirror of Simple Souls.  Benjamin Wright*, University of Notre Dame

3:30  Break.

3:45  Rome's greatest defeat and the rise of German nationalism.  Thomas Renna (Emeritus), Saginaw Valley State University

4:15  Mercy in a time of heresy: rethinking early accounts of heresy at Arras and Châlons-sur-Marne.  Sean Sapp*, University of Notre Dame

Philosophy

Chair(s):
Vice Chair:

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

2:30 Business Meeting.

2:40 Democracy or liberty. Alex Tokarev*, Northwood University


3:10 The sound of silence: omission in Hemingway's writing and Wittgenstein's philosophy. Andres ElAmin-Martinez*, Kalamazoo College

3:25 Communally embodied art: practical applications of Seel's aesthetic resonating. John Mark Wenger*, Kalamazoo College


3:55 The stories we tell: Dewey, Facebook and the re-definition of intimacy. John Scott Gray*, Ferris State University

4:10 Locating the Philosophy within Walden. James M Hitt*, Saginaw Valley State Univ.

4:25 Bonhoeffer and Heidegger on conscience. Sarah L Heidt*, Marygrove College

Political Science

Chair(s):
Vice Chair:

9:00  Polarized justice: state Supreme Court decision making in a hyperpartisan environment. Kevin G. Lorentz II* and Kyla K. Stepp*, Wayne State University

9:20  Statistical models for governmental regime change. Michael Graham*, Kettering University

9:40  How communist heritage influences political behavior: a look at Romanian American youth. Priscilla Pelle*, Oakland University

10:00 Ethnic politics and mass media in Kenya: the reflection and creation of political identities in emerging African democracies. Virginia Parish Beard*, Hope College

10:20 Break.


10:55  Hungry for attention: The right to food in Madagascar. Alexandra Raney*, Andrews University

11:15 Retelling the story of patriotism. Reem Abou-samra*, Wayne State University; May Seikaly, Wayne State University

11:35 Business Meeting.

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

Psychology

Chair(s):  
Vice Chair:

9:00  Mental health services awareness effects on students’ stress and depression. Brunna C. DaSilva*, Andrews University; Romulus Chelbegean, Andrews University
9:20  **Romantic interest in fictitious romantic partners on Facebook: effects of friends, likes, and participant gender.** Kimberly Meerschaert*, Austin Spencer, Samantha L. Brindley, Shane J. Sizemore and Larry Hatcher*, Saginaw Valley State University

9:40  **Beauty is in the hand of the beholder.** Danielle Kuhn*, Michelle Frolka* and Franco Delogu, Lawrence Technological University

10:00  **The effect of synthetic pheromones on spatial cognition.** Christina Buck*, Shannon Timmons, Franco Delogu and Kineta Morgan-Paisley, Lawrence Technological University

10:20  **Business Meeting and Break.**

10:40  **Hookup culture: predictors of engagement in casual sex.** Cooper B. Hodges*, Karl G. D. Bailey, and Duane C. McBride, Andrews University

11:00  **Health habits: implications of sex, age, resilience, religiosity, stress, self-efficacy, and perceived seriousness of health habits.** Christiana Atkins*, Andrews University; Harvey Burnett, Andrews University

11:50 – 12:30  **Poster Session.**

12:30 – 2:20  **Academy Luncheon (ticket required).**

2:30  **Do social dominance orientation, empathy, self-esteem and gender predict rape myth acceptance attitudes among college students.** Casey Binkley*, Michigan School of Professional Psychology; Dustin Shepler*, Michigan School of Professional Psychology

2:50  **Advising instead of empowering: an examination of conversation analytic research on empowerment in interaction.** John Moore*, Olivet College; Nancy Ulrich*, Olivet College

3:10  **A study on the cognitive representation of design knowledge.** Shinming Shyu*, Eastern Michigan University

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**Religious Studies**

**Chair(s):**
Vice Chair:

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

2:30 Business Meeting.


3:00 The origin of life and divine action in and through quantum mechanics. Daekyung Jung*, Theological Union


3:40 Afternoon Break.


4:10 Shariah law equals Islam. Achmat Salie* and Alim Fadil, University of Detroit Mercy

Rhetoric & Composition

Chair(s):
Vice Chair:

8:45  **My girls: the appropriation of clients but not their papers.** Ashley Peterson*, Andrews University

9:05  **Reflections on the legacy of Francis Christensen.** Brian White*, Andrews University

9:25  **Reading and writing in the age of distraction.** Alice Horning*, Oakland University

9:45  **Just a little elbow grease and practice makes perfect: the theory of deliberate practice and the college composition classroom.** Julie A. White*, Grand Valley State Univ.

10:05  **Business Meeting & Break.**

10:20  **Reimagining the purpose and role of developmental writing.** Craig Hulst*, Dauvan Mulally*, and Richard Iadonisi*, Grand Valley State University

10:40 **TOEFL writing: stories behind the scores.** Eun-Young Julia Kim*, Andrews University

11:00 **A new college composition classroom: accepting and incorporating the Englishes of multilingual students.** Krista Turner*, Andrews University

11:20 **Writing about the ways words work in the world.** Mary Wendt*, Central Michigan University

11:50 – 12:30 **Poster Session**

12:30 – 2:20 **Academy Luncheon (ticket required).**

*Sociology & Anthropology*
Sociology Vice Chair:

Anthropology Chair(s):
Anthropology Vice Chair:

Anthropology Presentations:

8:50  Household archaeology in Sicily: beginning the study. Justin Singleton*, Andrews University

9:10  Estimating the age of menarche in an early Medieval skeletal sample from Northern France. Megan Moore*, Eastern Michigan University; Alaa Hasan, Eastern Michigan University; Ashlee Szabo, University of Michigan Dearborn

Sociology Presentations:

9:30  The Relationships between Paranormal, Superstitious, and Traditional Religious belief in College Students. James Haske*, Lake Superior State University

9:50  The development and maintenance of romantic relationships in relation to feminist ideology. Katherine DeLaura*, Lake Superior State University


10:30  Social Interaction, Anxiety, and Academic Success. Xavier Compton*, Lake Superior State University

10:50  TCKs and policy development: creating an environment of wellbeing at an organizational level. Rebecca Coleman*, Andrews University

11:10  The effects of envelope design on building’s thermal performance and energy efficiency. Na Han*, Eastern Michigan University

11:30  Business Meeting.

11:50 – 12:30  Poster Session.

12:30 – 2:20  Academy Luncheon (ticket required).

2:30  The interaction of culture, self-perception, and depression in Native American youth. Meagan Harman*, Lake Superior State University; Richard K. Mauldin, Lake Superior State University

2:50  Analyzing the universal design principles to create a space for occupants with visual impairments. Nadia Arafah*, Eastern Michigan University
3:10  The capability of technology in representing identical values in Designing kinetic facades of buildings. Negar Heidari Matin*, Eastern Michigan University


3:50  Bold in Detroit: a campus-community partnership. Brenda Bryant*, Marygrove College; Jesse Cox*, Marygrove College; Karen Dimanche Davis*, Marygrove College; Jann Hoge*, Marygrove College; Julie Laforet*, Marygrove College


Spanish Language, Literature & Culture

Chair(s):
Vice Chair:

8:30  Reconstrucción del yo y la memoria argentina en El espíritu de mis padres sigue subiendo en la lluvia (Panel). Claudia Lorena Marquez Resendiz*, Florida SouthWestern State College

8:50  Martín Fierro as a feminist: a historical analysis of a gaucho's treatment of women. Kelsey Margetic* and Daniel Lorca, Oakland University, Loyola University of Chicago

9:10  The many faces of amphitryon: Borges, Levi-Strauss, and the 'structural study' of the impostor(s) in times of war. Brian J. Gunderson*, Concordia University - Wisconsin

9:30  Nature as oneiric quality in the short stories of Elena Garro and Julio Cortazar. Ronald Rapin*, Oakland University

9:50  Reflejo del policial duro y de la complejidad social y política en la narrativa mexicana del siglo XXI: Conducir un tráiler de Rogelio Guedea. Maribel Colorado-Garcia*, Saginaw Valley State University

10:10 The History of Spain between 1800 and 1939 through the paintings of the age. Elizabeth Grotenhuis* Cornerstone University

10:30 Similarities in the Mozarabic Jarchas and the poems of Victorian writers Emily Brontë and Elizabeth Barret Browning. Jordan Van Dyke*, Cornerstone University

10:50 The variable pronunciation of “pues” in Andalusian Spanish: a study of social, linguistic and frequency factors. Carmen Ruiz-Sánchez*, Aquinas College; Azra Fazil*, Aquinas College

11:10 The use of second-person singular pronouns among young speakers in Costa Rica. Alyssa Willson*, Aquinas College; Carmen Ruíz-Sánchez*, Aquinas College

11:30 Business Meeting.

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).

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Women's & Gender Studies

Chair(s):
Vice Chair:

8:30  **Spiritual headship in female clergy marital dyads.** Romulus Chelbegean*, Andrews University

8:45 **Female clergy marital spouses’ concept of woman’s divine calling.** Romulus Chelbegean, Andrews University; Josias Flores*, Andrews University

9:00 **Female clergy family spouses’ response to laymen stereotypical sexist views.** Romulus Chelbegean, Amante Gonzalez*, Andrews University

9:15 **How my pastor helped and hurt: survivors’ stories of clergy responses to domestic violence.** Melissa Ponce-Rodas*, Andrews University; Tiffany Bailey*, Andrews University

9:30  **Break.**

9:45 **Women and gender relations in postcolonial India.** Dipannita Datta*, The Neotia Univ.

10:00  **Gender discrimination and the politics of testimony.** Sarah B. Jones*, Northern Michigan University

10:15  **Finding life satisfaction while adhering to gender expectations: the role and influence of gender stereotypes in self-help literature.** Sara Houser*, Saginaw Valley State University; Maria Dorion*, Saginaw Valley State University

10:30 **Perceived offensiveness: correlations between gender and profanity.** Paige Walsh*, Saginaw Valley State University; Amos Privette*, Saginaw Valley State University

10:45  **Country vs. rap: a comparison of gendered language in opposite genres.** Amanda Walraven*, Saginaw Valley State University; Kimberly Owen*, Saginaw Valley State University

11:00 **Male television actor's usage of lavender language.** Katelen Bennett*, Saginaw Valley State University; Abigail Beyett*, Saginaw Valley State University

11:15 **Matriarchy and art: mother-son love as symbolism of artistic creation in Tanizaki Junichiro’s stories.** Seigo Nakao*, Oakland University

11:30  **Business Meeting.**

11:50 – 12:30  **Poster Session.**

12:30 – 2:20 **Academy Luncheon (ticket required).**

Zoology
9:00  The affects of the copulation song and other disturbances on the frequency and synchronization of reproductive behaviors in gulls (Larus glaucescens). Gordon Atkins*, Andrews University and M. Flemming Nature Center; Ashley Reichert, Andrews University; Shandelle Henson, Andrews University; James Hayward, Andrews University

9:25  Defining measures of development, metamorphosis, and behavior in the fly (Drosophila virilis) following thiouracil exposure. Kelsey Gere*, Saginaw Valley State University; Haley Niedzwiercki*, Saginaw Valley State University; Vanessa Wolf*, Saginaw Valley State University; Gary M. Lange, Saginaw Valley State University

9:50  Opportunities for discovery of new Acari, podapolipid mites, parasitiziing the hundreds of thousands of species of Coleoptera. Robert W. Husband*, (Emeritus) Adrian College

10:15  Identifying the origin of the weatherfish in Michigan. Katie Priest*, Saginaw Valley State University; Scott Wells, New York Dept. of Environmental Conservation; Cal Borden, Saginaw Valley State University

10:40  Calculation of Antillean manatee (Trichechus manatus manatus) body weight using standard morphometric measurements. Christa Spieth* and Daniel Gonzalez-Socoloske, Andrews University; Leon D. Olivera-Gomez, Universidad Juárez Áutonoma de Tabasco

11:05  Intrinsic and extrinsic influences on the aggressive behavior of female crayfish, Orconectes propinquus. N. Hayden*, K. Ruvina, R. Andringa and D. Bergman, Grand Valley State University

11:30  Business Meeting.

11:50 – 12:30 Poster Session.

12:30 – 2:20 Academy Luncheon (ticket required).