

Undergraduate
Symposium XXIII
College of Arts and Sciences

EASTERN MICHIGAN
UNIVERSITY.

2003

Undergraduate Symposium XXIII College of Arts and Sciences



2003

WELCOME TO SYMPOSIUM XXIII!

This day of undergraduate research presentations and creative explorations is the highlight of the academic year at Eastern Michigan University. The culmination of a selective process, these are the best undergraduate projects of the year and demonstrate high academic standards. I am extremely proud of our student presenters and their faculty mentors.

At year 23, our Undergraduate Symposium is one of the oldest in the country. From an idea in the mind of the late Professor of chemistry and Provost Ron Collins, and a modest beginning with a handful of students in the College of Arts and Sciences, this event has expanded to include students from the entire University. Whether creating new designs for furniture or examining African-American political leadership, whether promoting nutrition therapy for HIV patients or evaluating social protest music, whether exploring the use of music therapy for Williams syndrome children or building a financial drill-down application, student presenters demonstrate the research and creative strategies from their chosen fields. Such direct, hands-on learning develops skills and understanding that go beyond the classroom. Participating students, working with dedicated faculty, are America's best hope for a bright future.

Many committed people make the Symposium successful. I gratefully acknowledge the hard work of the Symposium Planning Committee (volunteers from across the campus), chair Dennis Beagen, event coordinator Wendy Kivi and the staff of the College of Arts and Sciences' Office of the Dean. Numerous faculty, family members, sponsors and guests provide vital support for this event and for the participating students in countless ways.

My hearty congratulations to the students who are presenting their outstanding scholarship.

Linda K. Pritchard, Dean
College of Arts and Sciences

Schedule of Events

March 28, 2003
McKenny Union

- | | |
|--|-------------------------|
| Session A Student Presentations
Ground, Main and 2nd Floor Rooms | 8:30 a.m. - 9:45 a.m. |
| Poster Presentations
2nd Floor, Guild Hall | 9:00 a.m. - 12:30 p.m. |
| Session B Student Presentations
Ground, Main and 2nd Floor Rooms | 10:00 a.m. - 11:15 a.m. |
| Session C Student Presentations
Ground, Main and 2nd Floor Rooms | 11:30 a.m. - 12:45 p.m. |
| Symposium Luncheon
Ballroom | 1:00 p.m. - 2:30 p.m. |
| Speaker: Dr. Fiona Wood, director and chief medical officer
Clinical Cell Culture, Perth, Western Australia | |
| Student Emcee: Kaitlin Clark, student presenter, political science | |





Poster Abstracts

COLLEGE OF ARTS AND SCIENCES

Department
of Art

Michael C. Konas

Professor Maria Ruggiero, Sponsor

Appropriation and Iconography: Developing Personal Meaning in Painting

This presentation demonstrates the artistic process from research and idea generation through sketches and fully developed paintings over a three-month period. I use appropriated, or borrowed, figures from other works by Dine, Ingres and Poussin. Appropriation creates a historical link to the meanings represented in the original works. I develop these images as personal icons to emote universal themes such as devotion or loss, and the dynamic, unique, nature of relationships between men and women.

Robert Waissi

Professor John M. DeHoog, Sponsor

Furniture Design: Inspired by Wood

This full-scale furniture series was inspired by the visual and textural qualities of wood. The work in the series came together not by sketching or drawing, instead by the handling of the actual materials. Traditional fabrication and joinery is used in the construction of this work. Each piece functions on its own, and visually as a group.

Department
of Biology

Nicola Harrison-Lowe

Professor Marianne Laporte, Sponsor

Elucidation of Stress Induced Autophagy in *Arabidopsis thaliana*

Autophagy is a cellular process, which enables a plant to survive in nutrient poor environmental conditions through the breakdown of intercellular constituents. I am developing a nitrogen deficient cell liquid culture system in order to determine the environmental conditions that will trigger an autophagic response. This system will allow for the identification of a molecular marker for autophagy using reverse transcriptase polymerase chain reaction (RT-PCR).

Jessica Hornbeck and Cathryn Fields

Professor Ulrich Reinhardt, Sponsor

Measuring Earstone Dimension to Determine Metabolic Rate Differences in Normal and Transgenic Coho Salmon

A strain of coho salmon has been genetically engineered to yield enhanced growth performance. We hypothesize that these transgenic salmon have intrinsically higher standard metabolic rates. Through DNA extraction and PCR reactions, juvenile coho salmon were divided into normal and transgenic groups. We determined the salmon's earstone size as an indirect measure of metabolic rate. The results will be used to determine if transgenic coho salmon can be used in aquaculture.

Michael C. Konas

Professor Maria Ruggiero, Sponsor



Jennifer Muñiz

Professor Marianne Laporte, Sponsor

Detecting the Expression of an NADP⁺-Malic Enzyme in *Arabidopsis* Guard Cells

A search of the *Arabidopsis* genome revealed the presence of six NADP⁺-malic enzyme genes. In this study leaf tissue and isolated guard cells were analyzed using reverse transcriptase-polymerase chain reaction (RT-PCR) in order to identify which of these genes is expressed in the plant guard cells. Results indicate the existence of a guard-cell specific NADP⁺-malic enzyme gene, which may play a role in regulation of plant water loss.

Christopher Perria

Professor Daniel Clemans, Sponsor

Induction of Interleukin (IL)-8 from Human Tracheal Epithelial Cells after Stimulation by Secreted Nontypeable *Haemophilus influenzae* Proteins

Nontypeable *H. influenzae* (NTHi) causes repeated respiratory infections in patients with chronic lung diseases. We hypothesize that secreted, non-lipooligosaccharide (LOS) NTHi molecules mediate cellular interactions with respiratory epithelial cells, leading to the production of proinflammatory cytokines. To address this hypothesis, we exposed human tracheal epithelial cells to NTHi cells and subcellular fractions and compared the resulting profiles of IL-8 secretion using enzyme-linked immunosorbent assays (ELISA). The results of our studies suggest that secreted factors other than LOS contribute to the NTHi stimulation of respiratory epithelial cell IL-8 secretion.

Cristina Varzoaba, Crescentia Innocent and Tyron Foston

Professor Henry G. Zot, Sponsor

Do the Plekstrin Homology Domains of AFAP-110 bind Phospholipids?

AFAP-110 is a muscle protein that is found at the Z-line. AFAP-110 has two homology domains (PH1 and PH2). Because AFAP-110 associates with the plasma membrane, where phospholipids are found, we were interested in the interaction the protein makes with phospholipids. Previous studies suggested that the PH2 domain activates AFAP-110 and the PH1 domain binds phospholipids. In this experiment we tested the domains individually for an interaction with phospholipids.

Department
of Chemistry



Linda Michelle Einhorn

Professor Larry Kolopajlo, Sponsor

Water Quality Parameters in the Stoney Creek Watershed

The Stoney Creek Watershed, which passes through both Ypsilanti and Monroe Counties, is being examined for a variety of inorganic pollutants including: alkalinity, chloride, conductivity, copper, dissolved oxygen, hardness, fluoride, iron, mercury, nitrate, pH, phosphate, sodium, sulfate and total dissolved solids. Water samples were taken at five points as determined by a global positioning system. The water samples were analyzed for the above parameters using methods taken from: Standard Methods for the Analysis of Water and Wastewater.

Adam Gracon

Professor Maria C. Milletti, Sponsor

Computational Characterization of a Series of Eicosanoids

Ab initio molecular orbital calculations were used to elucidate structural and electronic characteristics of a series of eicosanoids. These molecules had previously been used to examine the specificity of the 14,15-DHET ELISA, where it was found that there was very little bonding affinity for any of the eicosanoids tested. Results of the calculations were used to identify potential factors that contribute to the extent of binding with the ELISA.

Nan Houser

Professor Ruth Ann Armitage, Sponsor

Characterization of Clays and 17th Century Bricks from Historic St. Mary's City, Maryland

Bricks from the 1667 Chapel in Historic St. Mary's City, Maryland differ significantly from those used in other buildings at this site. Some archaeological evidence indicates that bricks were manufactured locally. Neutron activation analysis to determine the chemical compositions of local clay sources and historical bricks will provide important evidence about the origin of the bricks from this little known but historically important colonial building. Application of nuclear analytical chemistry to archaeological materials will be discussed.

Christopher Knight

Professor Arthur S. Howard, Sponsor

Microwave Synthesis and Investigation of Some Nitrogen Heterocycles

The application of the microwave oven as a source of energy for reactions is a growing interest in organic syntheses. From an initial interest in the synthesis of compounds related to the widely used tranquilizers, benzodiazepines, a group of two-substituted quinazolinones has been isolated. Conventional thermal reactions requiring 24 hours can be reproduced in the microwave oven with irradiation periods of 10 minutes. Details of the reaction leading to the formation of the quinazolinone and its further reactions are discussed.

Kristie Mitchell, Ronique Keanes-Dawes and Gregory Fondren

Professor Steven Pernecky, Sponsor

Myoglobin-Stimulated Destruction of Arachidonyl-Containing Phospholipids

One consequence of myoglobin release into the blood is production of necrotic lesions in the kidney, which may compromise its function. The ability of myoglobin to induce peroxidative breakdown of the main polyunsaturated fatty acid, arachidonic acid, in phospholipids that comprise cell membranes was evaluated in this study as a model for an early event in myoglobin-induced toxicity. The role of reactive oxygen species and effect of pH on the reaction were examined.

RaShawn Rushing

Professor Maria C. Milletti, Sponsor

Analysis of Oxidized Arachidonic Acid and Product Stability

Oxidizing arachidonic acid yields many products, one of which is the aldehyde, 4-hydroxynonenal. When examined by gas chromatography and mass spectroscopy, this molecule becomes unstable and disintegrates. The addition of a silyl group prevents it from falling apart. Molecular orbital calculations were performed to determine why 4-hydroxynonenal is unstable and why the addition of a silyl group stabilizes it.

Department of Communication & Theatre Arts



Stephanie Bobalik

Professor Kerry Graves, Sponsor

Piecing Together a Theatrical Puzzle: Producing Eugene O'Neill's "Welded"

The sizeable undertaking of producing a play begins in the mind, making its way onto paper and, eventually, to the stage. Four standard aspects of production: script analysis; directing; design/technical; and marketing/development, are all important pieces of a proverbial puzzle that is a play. Using "Welded," a seldom-studied play by the modern American playwright Eugene O'Neill, this display exhibits the inspirations, research and modifications made to create the preliminary stages of a play's production.

Melissa Cara Reinhold

Professors Benita Goldman (World College) and Pirooz Aghssa, Sponsors

New Ways of Seeing: Training the Eye to Light

A multi-media production of visions encountered and discovered while traveling and studying abroad is presented. Caravaggio was an explorer, revealing shapes in his paintings through the use of light. Therefore, by combining Caravaggio's paintings with personal photographs of the sights of Europe, a description of two adventures is merged into one presentation where the impact of traveling through other countries will be viewed.

Department of Computer Science

Mohammad Kakwan

Professor Michael Zeiger, Sponsor

The Teaching Game

Take on the role as a reading teacher for a rowdy class of elementary school students and use your own style of teaching to improve their reading level all in preparation for the Reading and Comprehension Test. This entire experience is rendered in real-time 3D and the students are simulated using advanced AI algorithms based on data from real students.

Department of Geography & Geology

Melanie Combs

Professor Chris Mayda, Sponsor

Discovering Settlement Patterns of Ypsilanti Through a Geographic Information System (GIS)

Using ArcView and its various applications, the author is analyzing patterns and relationships among attributes in the Cross Street Corridor of Ypsilanti. This methodical and analytical work is also being applied to the Normal Park area. The project is ongoing and will be very useful for determining how Ypsilanti was settled, who settled there, what type of structures were built and numerous other questions.

Joel Grapentine and Jon Hill

Professor Chris Mayda, Sponsor

Site and Situation in a Geographic Information System (GIS)

A GIS has been created to study cities within the United States and Canada. The precise geographic location of cities is not arbitrary, but tied to a variety of factors that promote growth, such as proximity to a watercourse for transportation and power. As well, ground based transportation links (road and rail) are crucial to a community's long term viability. The GIS environment allows these layers, and others, to be viewed and analyzed simultaneously.

Department of Mathematics

Theodore Begeman

Professor Ken Shiskowski, Sponsor

Coding by the Numbers

Codes or Cryptology has been of intense interest in modern times to securely send messages as well as to encrypt data. One of the simplest and hardest to (theoretically) break methods is the PSA algorithm which uses large primes and modular arithmetic. The mathematical software Maple will be used to program the PSA algorithm and to examine its behavior.

Clarence Johnson, Jr.

Professor Ken Shiskowski, Sponsor

If Newton had a Computer, What Could He Have Done?

The Generalized Newton and Householder's methods for solving equations of the form $f(x) = 0$ produce wonderful and complicated fractal graphics which provide a great deal of information about each method. The mathematical software Maple will be used to generate these graphics in order to examine local versus global behavior for each method.

Mohammad Kakwan

Professor Michael Zeiger, Sponsor



Yiting Yu

Professor Ken Shiskowski, Sponsor

Visualizing Improvements to Newton's Method for Systems of Equations

There are several higher order of convergence methods which generalize Newton's method for solving a single equation $f(x) = 0$. Only one of these methods generalizes nicely to also solving square systems of equations – it is the Generalized Newton's Method. The mathematical software Maple will be used to produce the basins of attraction in several system examples to find the global behavior of the method.

Department of Psychology

Nicholas A. Alexander

Professor Alida Westman, Sponsor

Use of Learning Styles and Abstracting Depend on the Content Area: Academic or Religious

Students who looked for meanings in, or for applications of, academic materials also were more likely to do so with religious materials. However, the more students looked for meanings in academic materials, the more skilled they were at abstracting and the less likely they conceptualized the divine concretely. The more religious students were, the more they emphasized only applications of religious materials, and, no matter how skilled at abstracting, the more they conceptualized the divine concretely.

Alison Bedingfield

Professor Dennis Delprato, Sponsor

Relationships Among Different Forms of Aggression and Control

The main purpose of this study was to identify relations between forms of control and aggression. Thirty-five participants completed scales designed to measure coerciveness, countercontrol, three other control variables and four types of aggression. Several statistically significant correlations occurred. One was a positive correlation between verbal aggression and countercontrol, meaning verbal aggression scores increased along with countercontrol scores. The project demonstrated the importance of rapid assessment instruments in studying relationships between personality characteristics.

Tiffany Edwards

Professor Nina Nabors, Sponsor

Homophobia and Homosexual Disapproval in Black Film: A Study of Black and Homosexual Representation in American Cinema.

This study examined the psychological and sociological literature bases on the topic of homosexual and black representation in contemporary American cinema. Considering historical contexts, ethnic and subcultural experiences and the modern media structure, this study analyzes current African-American films in three categories (Afrocentric, LGBT and mainstream) according to several hypotheses. The results of this study will reflect the present attitudes on homosexuality in Black American cinema.

Elizabeth Hammond

Professor Jeffrey Dansky, Sponsor

Children's Creativity in Play and Their Creativity in Verbal Storytelling: Are They Related?

There are theoretical reasons for believing that the imaginativeness of young children's playful activities should be related to the imaginativeness of their storytelling. Data from this study revealed a significant relationship ($r = .62, p < .05$) between creativity scores on a storytelling task and imaginativeness ratings of young children's free-play behaviors. Details of this study and the relationship between storytelling and playful activity will be discussed.



Elizabeth Hammond

Professor Jeffrey Dansky, Sponsor

COLLEGE OF EDUCATION

Department of
Teacher Education

Julie Kuznicki

Professor Maureen McCormack, Sponsor

Business Education and Democracy

This poster presents the author's exploration of the vision of democracy being taught through business education. Economic textbooks were reviewed and analyzed for their explicit and implicit message about the connections between American business and values of democracy. These democratic values were then assessed in relation to the global business world and their possible effects with less individualistic cultures such as Japan.

Nicole A. Vitale

Professor Margaret Moore-Hart, Sponsor

The Integration of Reading and Writing Into Science Education

This presentation will review recent literature that supports inquiry-based science education and a review of methods used to integrate reading and writing activities into science curricula. Also included are lesson plans that employ methods suggested in the research and Michigan Department of Education standards and an annotated bibliography of trade books appropriate for grades kindergarten to eight.



Elizabeth A. Garvin

Professor Judi Brooks, Sponsor

COLLEGE OF HEALTH and HUMAN SERVICES

Department of Human, Environmental
& Consumer Resources

Bonnie Kathryn Everett

Professor Judi Brooks, Sponsor

The Pima Puzzle: Why do the Pima Indians of Arizona Have the Highest Incidence of Obesity in the World?

The Pima Indians have a startling prevalence of obesity and diabetes among their people. Research studies conducted over the last 30 years have supported the theory of a 'thrifty gene' that may be responsible for this phenomenon. Along with genetic make up, diet and exercise has proven a key factor to a healthier lifestyle. In order to solve the puzzle, researchers try to decode it through genetic research.

Elizabeth A. Garvin

Professor Judi Brooks, Sponsor

Eating Healthy on the EMU Campus

This independent study project analyzed EMU Dining Services menu items for nutritional content. Menu items were evaluated using healthy eating standards. Those that complied with the guidelines will receive a symbol approved by the Employee Wellness Committee. Students, faculty, staff, administrators and guests will be able to use this symbol to identify healthy options at the point of purchase throughout EMU's Dining Services.

Marilyn Lee

Professor Judi Brooks, Sponsor

A Case Study of the Dietary Approach to Stop Hypertension (DASH)

Hypertension affects an estimated 50 million Americans a year. People are questioning what can be done to reduce chronically high blood pressure. The Dietary Approach to Stop Hypertension (DASH) was designed by the National Heart, Lung and Blood Institute as a dietary guideline to reduce high blood pressure. Conducting a case study, the researcher monitored blood pressure and multiple other variables over the course of one month on the DASH diet.

COLLEGE OF TECHNOLOGY

Department of Business &
Technology Education

Kamilah Holder

Professor Darcelle White, Sponsor

University Diversity Trends

Diversity plays a very important role in all of our lives. Diversity enriches the educational experience and cultivates learning. We learn from those whose experiences, beliefs and perspectives are different from our own. Diversity also challenges stereotyped preconceptions and it encourages critical thinking. This project will examine the trends in what universities are doing to enhance the learning experience of culturally diverse students across the country with diverse populations.

Mary Steinmetz

Professor Darcelle White, Sponsor

Cyberspace Crimes Against Children

This poster presentation will display the trends, history as it develops and statistics regarding Internet crimes against children. Using data from the Michigan Department of Attorney General and other police agencies with cyber crime units, I will identify actual cases and the trends in the courts in confronting this issue from the perspective of the victims and the perpetrators. I will seek to identify strategies to deter this growing crime in cyberspace.



Jessica Havens

Professor Paul Majeske, Sponsor

Department of
Industrial Technology

Andrew Imielowski and
Thomas Needham, IV

Professor Pamela K. Speelman, Sponsor

Modeling a Wristwatch Using the CAD Package, CATIA

We will solid model a working wristwatch utilizing the tools that CATIA offers in its design package. The model will consist of all the working parts of the watch. This presentation will show how the working pieces come together from the back plate to the face of the watch. This will demonstrate step-by-step the process we took in forming the models/parts and bringing them together to make the final working piece, a wristwatch.

Department of
Interdisciplinary Technology

Jessica Havens

Professor Paul Majeske, Sponsor

From Mechanicals to Multi-Megabyte Files: The Influence of Digital Technology on the Print Production Cycle

The print production cycle involves translating an idea into a printed document. Although the process was once very labor intensive, the introduction of new, digital technology has greatly compressed the workflow. This poster presentation shows the evolution of the print production cycle and demonstrates how nearly every aspect of production – from content creation to platemaking and even printing from the press – is now digital.

Session A

Alumni Room, Second Floor

Moderator: Caroline A. Gould

- 1 Sergio E. Criado 8:30 a.m.
Professor Kristine Ajrouch, Sponsor
Affirmative Action: An Affirmative Defense Against Institutional and Structural Violence *Sociology, Anthropology and Criminology*
- 2 Neil Duda 8:45 a.m.
Professor Kostas Voutsas, Sponsor
Human Resource Management: Discovering Gender's Effects on the Mentoring Process *Management*
- 3 Mary Kathleen Walsh 9 a.m.
Professor Elizabeth Johnson, Sponsor
One Little, Two Little, Three Little Indians: Pedagogical Pathways to Unlock the Native American Dusty Past and Paradoxical Present *Teacher Education*
- 4 Kimberly Krohn, Dan LaCroix 9:15 a.m.
Jessica Porter, Melissa Shihadeh and Robert Schicker
Professor Caroline A. Gould, Sponsor
Domestic Violence and Its Relationship to Substance Abuse *Teacher Education*
- 5 Gretchen Balmer, Kelley Harrison 9:30 a.m.
Katrina Padley and Stacy Preimer
Professor Caroline A. Gould, Sponsor
Hate Crimes *Teacher Education*

Tower Room, Second Floor

Moderator: Diane Jacobs

- 6 Elizabeth Blaney 8:30 a.m.
Professor Deborah Heyl-Clegg, Sponsor
A Minimal Sequence Peptide Inhibitor for α -Amylase *Chemistry*
- 7 Michael J. Hyde 8:45 a.m.
Professor Timothy L. Friebe, Sponsor
An Acid-Catalyzed Aldol Reaction Under Microwave-Induced Solvent-Free Conditions *Chemistry*

- 8 Reiko Peterson 9 a.m.
Professor Michael Brabec and Robert Maher (Pfizer Global Research and Development), Sponsors
Automating the In Vitro Micronucleus Assay *Chemistry*
- 9 Catherine Majewski 9:15 a.m.
Professor Laura Barber, Sponsor
"Fusion Bonding": A Study of Mokume Gane, an Ancient Japanese Metal Technique *Art*
- 10 Jon P. Trochet 9:30 a.m.
Professor Diane Jacobs, Sponsor
Building an AC/DC Power Supply *Physics and Astronomy*

Faculty Lounge, Second Floor

Moderator: Pedro P. Sanchez

- 11 Ru Knoedler 8:30 a.m.
Professor Zafar Khan, Sponsor
Building a Financial Drill-Down Application for U of M Hospital Finance DataMart *Accounting and Finance*
- 12 Ping Yang 8:45 a.m.
Professor Kenneth C. Young, Sponsor
The Effect of Sleeping Patterns on Business Performance: More or Less? *Accounting and Finance*
- 13 Keith E. Corbin 9 a.m.
Professor Pedro P. Sanchez, Sponsor
Status of the Information Systems Profession *Computer Information Systems*
- 14 Andrew J. Machosky 9:15 a.m.
Professor Barbara Foster, Sponsor
EMU Football Attendance Problem Study *Marketing*
- 15 David Graham 9:30 a.m.
Professor Barbara Foster, Sponsor
Customer Service at Enterprise Rent-A-Car *Marketing*

Reception Room, Second Floor

Moderator: Pat Williams-Boyd

- 16 Gayle Akins 8:30 a.m.
Professor Pat Williams-Boyd, Sponsor
You and Your Ecosystem: The Impact of Everyday Life ... A Ninth Grade Earth Science Unit of Study *Teacher Education*
- 17 Lisa Kontowsky 8:45 a.m.
Professor Pat Williams-Boyd, Sponsor
Financial Awareness *Teacher Education*

Session A

- 18 Mara Rochon 9 a.m.
Professor Pat Williams-Boyd, Sponsor
Essay Writing *Teacher Education*
- 19 Leonard Ivezaj 9:15 a.m.
Professor C. Nicholas Raphael, Sponsor
**Great Lakes Erosion and Population Change:
A Comprehensive Evaluation** *Geography and Geology*
- 20 Elizabeth Storey 9:30 a.m.
Professor Raymond Quiel, Sponsor
**Spray on Skin: Primary Researching and Personal Connections
in a Technological Society** *Communication and Theatre Arts*

Intermedia Gallery, Main Floor

Moderator: Joel Schoenhals

- 21 Gabe Miller 8:30 a.m.
Professor Mary Zdrojkowski, Sponsor
Humor in Jazz *English Language and Literature*
- 22 Jeffrey J. Steichmann 8:45 a.m.
Professor Mary Zdrojkowski, Sponsor
**Humor in Folktales: Its Use as Societal Constraint and Social
Pressure Relief** *English Language and Literature*
- 23 Michael James Hejka 9 a.m.
Professor John Dorsey, Sponsor
"Polaris" by Mark Ford *Music*
- 24 Kevin Balint 9:15 a.m.
Professor Derek Weller, Sponsor
"Tarantella in A Minor" by Giovanni Bottesini *Music*
- 25 Seo-Hyun You 9:30 a.m.
Professor Joel Schoenhals, Sponsor
"Scherzo in B Minor, Op. 20" by Frederic Chopin *Music*

Main Lounge, Main Floor

Moderator: Geoff Hammill

- 26 Renae Reese 8:30 a.m.
Professor Geoff Hammill, Sponsor
**The Formidable Success of Brazilian Television: Entertainment
Examination** *Communication and Theatre Arts*
- 27 Maria M. Miranda and Jennifer L. Van Eyck 8:45 a.m.
Professor Sandy Norton, Sponsor
**Race, Sexuality and Iconography: Deconstructing the Lives of
Marilyn Monroe and Dorothy Dandridge** *Women's Studies*

- 28 Julie S. Brehmer 9 a.m.
Professor Sheila Most, Sponsor
Exposing Children to Hearing Impaired Individuals Through Literature
English Language and Literature
- 29 Jimi A. Radabaugh 9:15 a.m.
Professor Sheila Most, Sponsor
**Ancient Greek Myth in Contemporary Literature: John
Updike's "The Centaur"** *English Language and Literature*
- 30 Jennifer Schmidt 9:30 a.m.
Professor Sheila Most, Sponsor
**A Modern Hero: Dorothy in "The Wizard of Oz" and Joseph
Campbell's Monomyth** *English Language and Literature*

Gallery II, Main Floor

Moderator: Michael Jones

- 31 Rachel Gutenberg 8:30 a.m.
Professor Ronald Delph, Sponsor
The Crusades and Their Effect on the Jews *History and Philosophy*
- 32 April Hall 8:45 a.m.
Professor Michael Jones, Sponsor
The Ongoing Problem of Ignorance in Society
History and Philosophy
- 33 Luke Hoorelbeke 9 a.m.
Professor Thomas Franks, Sponsor
Sartre's Doubts on the Notion of Sincerity *History and Philosophy*
- 34 John Gaffka and Laci Tuttle 9:15 a.m.
Professor John McManus, Sponsor
Compliance/Adherence Personal Companion Program
Psychology

Student Organization Center, Ground Floor

Moderator: Carla Damiano

- 35 Al McWilliams 8:30 a.m.
Professor Dennis Patrick, Sponsor
**A Textual Analysis of Americans' Conceptualization of Love as
Reflected in Valentine's Day Cards** *Communication and Theatre Arts*
- 36 Alyssa Michaelides 8:45 a.m.
Professor James Robinson, Sponsor
Transracial Communication Model: Finding a Common Ground
Communication and Theatre Arts

Session A

- 37 Lyndsay Buckman 9 a.m.
Professor Carla Damiano, Sponsor
Dealing with Guilt: Second-Generation Germany Confronts the Holocaust *Foreign Languages and Bilingual Studies*
- 38 Agnes Krynski 9:15 a.m.
Professor Genevieve Peden, Sponsor
French Language Policy: The Struggle Between Tradition and Innovation *Foreign Languages and Bilingual Studies*
- 39 Adrienne Muncy 9:30 a.m.
Professor Carla Damiano, Sponsor
In Defense of "Faserland": Critical Response to Christian Kracht's Debut Novel *Foreign Languages and Bilingual Studies*

Salon, Second Floor

Moderator: Joann McNamara

- 40 Jennifer Poor 8:30 a.m.
Professor Daryl M. Hafter, Sponsor
Gender Benders: Women Enlisted in the Military During the American Civil War *Women's Studies*
- 41 Barbara Sweeney 8:45 a.m.
Professor Daryl Hafter, Sponsor
Slavery in France During the Middle Ages and Early Modern Period *History and Philosophy*
- 42 Eric Lamont Monat 9 a.m.
Professor Barbara Bilgé, Sponsor
Eric R. Wolf: Life and Impact on Cultural Anthropology *Sociology, Anthropology and Criminology*
- 43 Kimberly Warren 9:15 a.m.
Professor Barbara Bilgé, Sponsor
Ruth Benedict: A Female Perspective and the Popularization of American Anthropology *Sociology, Anthropology and Criminology*
- 44 Tiarah Garcia 9:30 a.m.
Professor Joann McNamara, Sponsor
"Quest" *Health, Physical Education, Recreation and Dance*
- Lily Elgincolin
Professor Joann McNamara, Sponsor
"No Longer Bitter" *Health, Physical Education, Recreation and Dance*
- Erin Quellhorst
Professor Joann McNamara, Sponsor
"Internal Struggle" *Health, Physical Education, Recreation and Dance*

Session B

Alumni Room, Second Floor

Moderator: Alice Jo Rainville

- 45 Christopher McGrew 10 a.m.
Professor Shel Levine, Sponsor
Role of Atrial Fibrillation as a Risk Factor for a Cerebrovascular Accident *Health, Physical Education, Recreation and Dance*
- 46 Jamaal Perkins 10:15 a.m.
Professor Shel Levine, Sponsor
Functional Flexibility *Health, Physical Education, Recreation and Dance*
- 47 Diana Krajewski 10:30 a.m.
Professor Elvia Krajewski-Jaime, Sponsor
Community Outreach Partnership Center (COPC) Evaluation *Social Work*
- 48 Lisa Locke 10:45 a.m.
Professor Alice Jo Rainville, Sponsor
Nutrition Therapy for Patients with HIV *Human, Environmental and Consumer Resources*
- 49 Jeannie Kunz, Casey Ronk 11 a.m.
Joel Slaven and Stacy Syrstad
Professor Caroline A. Gould, Sponsor
Depression in the Elderly *Teacher Education*

Tower Room, Second Floor

Moderator: Rick Rogers

- 50 Mustafa Banister, Matthew Bardeleben 10 a.m.
Patrick Belanger, James Cavanaugh
Lee Chang, Paul McKelvey and Patrick Sanders
Professor Rick Rogers, Sponsor
The Transformation of Our Neighborhood: Religious Diversity in Washtenaw County *History and Philosophy*
- 51 Stephanie Boling 10:15 a.m.
Professor Martha Baiyee, Sponsor
Performance-Based Assessment in Early Childhood Education *Teacher Education*
- 52 Natalie Gorman 10:30 a.m.
Professor Darcelle White, Sponsor
To Track or Not to Track *Business and Technology Education*

Session B

- 53 Neil Ripley 10:45 a.m.
Professor Raymond Quiel, Sponsor
The Internet and the Erosion of Childhood
Communication and Theatre Arts
- 54 Erik W. Myers 11 a.m.
Professor Paul Majeske, Sponsor
Background, Issues and Trends of Artificial Intelligence (AI)
Interdisciplinary Technology

Faculty Lounge, Second Floor

Moderator: Michael Vogt

- 55 Boiken Abazi 10 a.m.
Professor Michael Vogt, Sponsor
The Economic and Political Situation of Albania: The Possible Solution to the Energy Crisis *Economics*
- 56 Chris Brown 10:15 a.m.
Professor Michael Vogt, Sponsor
The Impact of International Trade on the Andersons Inc.
Economics
- 57 Lesha Bourne 10:30 a.m.
Professor Michael G. Vogt, Sponsor
Eaton Corporation's Expansion Into the Thai Market *Economics*
- 58 Christopher Knight 10:45 a.m.
Professor Maria C. Milletti, Sponsor
Theoretical Characterization of the Potential Energy Surfaces of 2-(3-Benzylaminopropanoylamino)benzamide *Chemistry*
- 59 Mace Mattieson 11 a.m.
Professor Timothy R. Brewer, Sponsor
The Effects of Various Quenching Agents on Excited 2,2'-Bipyridine Ruthenium (II) Dichloride Hexahydrate *Chemistry*

Reception Room, Second Floor

Moderator: Mary Zdrojkowski

- 60 Chris Curd 10 a.m.
Professor Dennis Patrick, Sponsor
A Narrative Analysis of Humane Society Stories
Communication and Theatre Arts
- 61 Lori Hubbard 10:15 a.m.
Professor Mary Zdrojkowski, Sponsor
"The Simpsons": Satirical Social Commentary on Christianity and Family Values in American Culture
English Language and Literature

- 62 Danielle Wright 10:30 a.m.
Professor Ronald Delph, Sponsor
Witches: The Legend Lives On *History and Philosophy*
- 63 Luke Hoorelbeke 10:45 a.m.
Professor Joanna Scott, Sponsor
The Political Importance of Italian Futurism *Political Science*
- 64 Britt-Marie Martinsson 11 a.m.
Professor Ellen C. Schwartz, Sponsor
Frank Lloyd Wright and European Influence *Art*

Intermedia Gallery, Main Floor

Moderator: John Dorsey

- 65 Sara Christine Sokoloski 10 a.m.
Professor Sheila Most, Sponsor
Being Different: Comparing Two Children's Novels
English Language and Literature
- 66 Stephanie Weber 10:15 a.m.
Professor Sheila Most, Sponsor
The 64-Bit Myth: The Relationship Between Ancient Myth and the Modern Role-Playing Game *English Language and Literature*
- 67 Jennifer Shirley 10:30 a.m.
Professor Kimberly Cole Luevano, Sponsor
"Soliloquies" by Leslie Bassett *Music*
- 68 Erin Quellhorst 10:45 a.m.
Professor Ernest Brandon, Sponsor
"Welche Wonne, welche Lust" from "Die Entführung aus dem Serail" and "Deh vieni, non tardar" from "Le Nozze di Figaro" by Wolfgang Amadeus Mozart *Music*
- 69 Makiko Yamauchi 11 a.m.
Professor Diane L. Winder, Sponsor
Cello Concerto in E Minor, Mvt. IV by Edward Elgar *Music*

Main Lounge, Main Floor

Moderator: Elisabeth Daumer

- 70 Meyin Hardy 10 a.m.
Professor Phillip Arrington, Sponsor
What Causes Grade Inflation? *English Language and Literature*
- 71 Alaine Karoleff 10:15 a.m.
Professor Elisabeth Daumer, Sponsor
Reflections on Change: The Metamorphosis of New York City, Women, War and Life in "Waterlily Fire"
English Language and Literature

Session B

- 72 Hava Levitt 10:30 a.m.
Professor Elisabeth Daumer, Sponsor
Building From the Place of Mournful Labor: Muriel Rukeyser's "Waterlily Fire" *English Language and Literature*
- 73 Melissa Cara Reinhold 10:45 a.m.
Professor Elisabeth Daumer, Sponsor
The Strength in a Piece of Transparent Light: The Theme of Fragile Power in "Waterlily Fire" *English Language and Literature*
- 74 Karen Weasel 11 a.m.
Professor Rebecca Sipe, Sponsor
Case Study: An Independent Writing Student, Adrian High School *English Language and Literature*

Gallery II, Main Floor

Moderator: Edward Sidlow

- 75 Lauren Bernard and Kristin Lay 10 a.m.
Professor Edward Sidlow, Sponsor
Evaluating Social Protest Music: 1960s – Present *Political Science*
- 76 Eric Colwell 10:15 a.m.
Professor Michael Jones, Sponsor
Aristotle and Daoism: How to Live Well *History and Philosophy*
- 77 Charles Stuart 10:30 a.m.
Professor Michael Jones, Sponsor
Plato's Religion: The Significance of Salvation in Plato's Philosophy *History and Philosophy*
- 78 Kent McRae 10:45 a.m.
Professor Barbara Bilg , Sponsor
Julian Steward's Rigorous Positivism *Sociology, Anthropology and Criminology*

Student Organization Center, Ground Floor

Moderator: Ver nica Grondona

- 79 Wouter Verkerk 10 a.m.
Professor Thomas Vosteem, Sponsor
American and French Cultural Misunderstandings in the Business Realm *Foreign Languages and Bilingual Studies*
- 80 Jennifer Marie Armstrong 10:15 a.m.
Professor Christine Hume, Sponsor
Poetry and Prose: A World of Words *English Language and Literature*

- 81 Agnes Krynski 10:30 a.m.
Professor Daniel Seely, Sponsor
An Analysis of Underlying SOV Word-Order and Word-Order Variation in German *English Language and Literature*
- 82 Maria Moreno and Teresa Sunol 10:45 a.m.
Professor Daniel Seely, Sponsor
The Null Subject Parameter: Comparison Between English and Spanish *English Language and Literature*
- 83 Adrienne Muncy 11 a.m.
Professor Ver nica Grondona, Sponsor
Implications of Diverse Literary and Colloquial Language Varieties in Sorbian, a Minority Language of Germany *English Language and Literature*

Session C

Alumni Room, Second Floor

Moderator: Bonnie Miller

- 84 Lisa Luderman 11:30 a.m.
Professor Betty Brown-Chappell, Sponsor
Stop the Violence *Social Work*
- 85 Lisa Neverdausky 11:45 a.m.
Professor Bonnie Miller, Sponsor
Relational Aggression: A Study of the Hidden Culture of Aggression in Girls *Social Work*
- 86 Juanita House and Jamie Scott Noon
Professor Betty Brown-Chappell, Sponsor
Intergenerational Project *Social Work*
- 87 Elizabeth Brink, Shannon Hardesty 12:15 p.m.
Cara Rogers, Megyn Smith and Caitlyn Thom
Professor Caroline A. Gould, Sponsor
The Psychological Effects of Parental Incarceration on School-Age Children *Teacher Education*

Session C

- 88 Linda Edberg, Tracy Inosencio 12:30 p.m.
Amy Mangan, Lisa Mauch, Erin Moug
and Katie Wickering
Professor Caroline A. Gould, Sponsor
Aspects of Female Self-Image Through the Lifespan
Teacher Education

Tower Room, Second Floor

Moderator: Michael Vogt

- 89 Andrew J. Geers 11:30 a.m.
Professor Michael Vogt, Sponsor
Sunflowers and Germany *Economics*
- 90 Tiana Hood 11:45 a.m.
Professor Michael Vogt, Sponsor
The Potential Market in Brazil for U.S. Exports *Economics*
- 91 Teodor Penov and Pandeli Kondi Noon
Professor Michael Vogt, Sponsor
Investment Prospects in Ukraine for Masco Corporation
Economics
- 92 Jeanette Bokhari 12:15 p.m.
Professor Norman Tyler, Sponsor
A 5,000 Year Old "Modern" City: Mohejo-Daro, Pakistan
Geography and Geology
- 93 James N. Allen 12:30 p.m.
Professor Bernard O'Connor, Sponsor
The Progressive Conservative Party of Canada ... Then and Now
Political Science

Faculty Lounge, Second Floor

Moderator: Jessica Alexander

- 94 Mustafa Banister 11:30 a.m.
Professor Chris Mayda, Sponsor
Eight Mile Road: All the Way Down *Geography and Geology*
- 95 Michelle L. Cousineau 11:45 a.m.
Professor Norman Tyler, Sponsor
Exploring Redevelopment Options for an Abandoned Industrial Site - Assessing Community Economics, Demographics and Needs
Geography and Geology
- 96 Neil Ripley and Steven Jackson Noon
Professor Rhonda Kinney, Sponsor
The Possibilities for Developing Transcendent Political Leadership: A Case Study *Political Science*

- 97 Carrie Giere 12:15 p.m.
Professor Chris Wood Foreman, Sponsor
Supporting Girls in Science and Engineering
Communication and Theatre Arts

- 98 Megan Mitchell 12:30 p.m.
Professor Jessica Alexander, Sponsor
Reader's Theater: Utilizing Process and Product in Achieving Literacy Learning Goals *Communication and Theatre Arts*

Reception Room, Second Floor

Moderator: Jeffrey L. Bernstein

- 99 Emily Morgan Bonneau 11:30 a.m.
Professor Jeffrey L. Bernstein, Sponsor
Is Politics a Guy Thing? Sex-Based Differences in Political Knowledge and Media Usage *Political Science*
- 100 Barbara Hartung 11:45 a.m.
Professor Jeffrey L. Bernstein, Sponsor
Should Incumbents Dread Diverse Districts? *Political Science*
- 101 Karry Carter Noon
Professor Pat Williams-Boyd, Sponsor
The American Revolution Through Multiple Lenses
Teacher Education
- 102 LaQuitta M. Smith 12:15 p.m.
Professor Victor Okafor, Sponsor
An Examination of African-American Political Leadership's Strategic Transition From Protest to Electoral Politics
African American Studies
- 103 Staci Bennett 12:30 p.m.
Professor Richard Stahler-Sholk, Sponsor
Guatemala: In Search of Democracy *Political Science*

Intermedia Gallery, Main Floor

Moderator: John Dorsey

- 104 Jennifer Beecher 11:30 a.m.
Professors Richard Rubinfeld and Henry Aldridge
(Communication and Theatre Arts), Sponsors
Memory and Perception: A Study of Picasso, Hockney and Nolan
Art
- 105 Bryan Stanbridge 11:45 a.m.
Professor John Dorsey, Sponsor
"Variations on Lost Love" by David Maslanka *Music*

Session C

- 106 Susan Gannon Noon
Professor Michael G. McGuire, Sponsor
Music Therapy for Children with Williams Syndrome *Music*
- 107 David V. Pierce 12:15 p.m.
Professor David M. Pierce, Sponsor
Bassoon Concerto in F Major, Mvt. I by Johann Nepomuk Hummel
Music
- 108 Yang Zheng 12:30 p.m.
Professor Dady Mehta, Sponsor
Sonata in F Major, Op. 10, No. 2, Mvt. I by Ludwig van Beethoven
Music

Main Lounge, Main Floor

Moderator: Barry Pyle

- 109 Kaitlin Clark 11:30 a.m.
Professor Barry Pyle, Sponsor
The Dynamic Evolution of Commerce Clause Policy
Political Science
- 110 James Polk 11:45 a.m.
Professor Barry Pyle, Sponsor
INS and Foreign Nationals in the Age of Terrorism *Political Science*
- 111 Sara Henschell Noon
Professor Joanna Scott, Sponsor
Can You Prosecute the Gun? *Political Science*
- 112 Teresa L. Long 12:15 p.m.
Professor Karen Schaumann, Sponsor
African-Americans on Television: Myth Versus Reality
Sociology, Anthropology and Criminology
- 113 Susan Robertson 12:30 p.m.
Professor Linda Lewis-White, Sponsor
Sticks and Stones May Break My Bones: Language of Exclusion and the Schools *Teacher Education*

Gallery II, Main Floor

Moderator: Weidian Shen

- 114 Erica Bruns 11:30 a.m.
Professor Margaret Crouch, Sponsor
Pushing the Boundaries: Self-Defense as a Woman's Priority
History and Philosophy
- 115 Jeffrey Buzzell 11:45 a.m.
Professor Daryl Hafer, Sponsor
Labor With and Without Unions *History and Philosophy*

- 116 Daniel J. Mania Noon
Professor Tim Carroll, Sponsor
Aristarchus of Samos and His Heliocentric Theory *Mathematics*
- 117 Cindi Seal 12:15 p.m.
Professor Weidian Shen, Sponsor
Evaluation of Adhesion of Ink Deposited on Plastic Film Using Nano-Indenter and Scanning Probe Microscope *Physics and Astronomy*
- 118 Lisa Schooley 12:30 p.m.
Professor Dennis Delprato, Sponsor
Hardiness and Movie Preference *Psychology*

Student Organization Center, Ground Floor

Moderator: Joseph Csicsila

- 119 Catherine Adams 11:30 a.m.
Professor Joseph Csicsila, Sponsor
"Letters from the Earth: Faith is Believing What You Know Ain't So" or the Twain Manifesto *English Language and Literature*
- 120 Brandon Kierdorf 11:45 a.m.
Professor Joseph Csicsila, Sponsor
It Took a Century to Smell the Water and Drink Up the Landscape
English Language and Literature
- 121 Lisa Ann Ozga Noon
Professor Harry Eiss, Sponsor
Princess Leia Organa: A Heroine's Journey in "The Star Wars Trilogy"
English Language and Literature
- 122 Matt Sameck 12:15 p.m.
Professor Joseph Csicsila, Sponsor
River Ride to Nowhere: Moral Growth and Futility in "The Adventures of Huckleberry Finn" *English Language and Literature*
- 123 Rebecca Traynor 12:30 p.m.
Professor Sandy Norton, Sponsor
Feminism Isn't Dead *English Language and Literature*



Session Abstracts

COLLEGE OF ARTS AND SCIENCES

Department of African American Studies

LaQuitta M. Smith

Professor Victor Okafor, Sponsor

An Examination of African-American Political Leadership's Strategic Transition From Protest to Electoral Politics

This presentation examines African-American political leadership's strategic transition from protest politics to the institutionalized political practices of today. This transition occurred as a result of the black protest movement of the 1950s and 1960s. My presentation examines how the transition has impacted upon African-American politics, including dramatic increases in both the number of registered black voters and the number of black elected officials. The presentation also highlights certain contrasts and similarities between the African-American political experience and those of a sample of other ethnic minorities of America. Session C – Number 102 – Reception.

Department of Art

Jennifer Beecher

Professors Richard Rubinfeld and Henry Aldridge (Communication and Theatre Arts), Sponsors

Memory and Perception: A Study of Picasso, Hockney and Nolan

Art of the 20th century is characterized by rapid and sometimes profound changes in ideology and philosophy. This presentation will discuss one of those revolutions in thought, Picasso's theories of space expressed during his analytical cubist phase. His theories lived on in the works of subsequent generations of artists. Of interest in this study are how they are expressed in the photomosaics of David Hockney and Christopher Nolan's film, "Memento."

Session C – Number 104 – Intermedia.

Catherine Majewski

Professor Laura Barber, Sponsor

"Fusion Bonding": A Study of Mokume Gane, an Ancient Japanese Metal Technique

The word *Mokume Gane* translates as "wood grain metal" because of the patterns that can be created when working with this metal. This technique utilizes many layers of different metal, which are fused together in a controlled environment to create a single billet of metal. The fused billet is then manipulated by forging, carving and drilling to create various patterns. This technique utilizes an uncommon technique of fusion bonding of non-ferrous metals.

Session A – Number 9 – Tower.

Britt-Marie Martinsson

Professor Ellen C. Schwartz, Sponsor

Frank Lloyd Wright and European Influence

In his quest for a true American architecture Frank Lloyd Wright adamantly denied influence in general and European influence in particular. This presentation will demonstrate that European values, thought, educational principles and art movements indeed exerted profound influences upon his life and work. His year spent living in Europe in 1910-11 will be explored and the subsequent stylistic and philosophical changes which emerged in his work will be discussed.

Session B – Number 64 – Reception.



Catherine Majewski

Professor Laura Barber, Sponsor

Department
of Chemistry



Elizabeth Blaney

Professor Deborah Heyl-Clegg, Sponsor

A Minimal Sequence Peptide Inhibitor for α -Amylase

The crystal structure of amylase enzyme bound to the protein inhibitor Tendamistat reveals which particular amino acids interact at the active site. A small peptide analog of this inhibitor, which links two of these important segments with novel amino acid spacers, was synthesized and analyzed for inhibitory activity using kinetic test tube color assays. Results may help define minimal sequence requirements and molecular level interactions, leading to development of therapeutic agents for hyperglycemia and diabetes. Session A – Number 6 – Tower.

Michael J. Hyde

Professor Timothy L. Friebe, Sponsor

An Acid-Catalyzed Aldol Reaction Under Microwave-Induced Solvent-Free Conditions

The base-catalyzed aldol reaction has long been an important synthetic tool for the preparation of unsaturated aldehydes and ketones. However, there are few synthetically useful reports of the corresponding acid-catalyzed version of the reaction. This presentation describes a simple acid-catalyzed aldol reaction run under solvent-free conditions using a common microwave oven as a heat source. The scope and limitations of the method will be presented.

Session A – Number 7 – Tower.

Christopher Knight

Professor Maria C. Milletti, Sponsor

Theoretical Characterization of the Potential Energy Surfaces of 2-(3-Benzylaminopropanoylamino)benzamide

While searching for a synthetic route to compounds related to the widely used tranquilizers, benzodiazepines, a group of quinazolinones was unexpectedly isolated. In order to elucidate the reasons for this result, the structure and reactivity of the intermediate of the reaction, the Michael product 2-(3-benzylaminopropanoyl-amino)benzamide, were investigated via molecular orbital calculations. The potential energy surface for this molecule was characterized and results were used to predict possible reaction pathways.

Session B – Number 58 – Faculty.

Mace Mattieson

Professor Timothy R. Brewer, Sponsor

The Effects of Various Quenching Agents on Excited 2,2'-Bipyridine Ruthenium (II) Dichloride Hexahydrate

Chemicals known as quenching agents can be used to influence the lifetimes of excited molecules. This happens if the quenching molecules become excited themselves, or if the quenching molecules accept electrons from the originally excited molecule. In this experiment, laser fluorescence spectroscopy was used to observe changes in the excited lifetimes of 2,2'-bipyridine ruthenium (II) dichloride hexahydrate, and to determine how various solvents and solutes in the solvents can influence quenching. Session B – Number 59 – Faculty.

Reiko Peterson

Professor Michael Brabec and Robert Maher (Pfizer Global Research and Development), Sponsors

Automating the In Vitro Micronucleus Assay

An automated in vitro micronucleus assay was developed to allow for high-throughput screening of compounds. This assay is based on analysis of digitized images that are analyzed with an automated algorithm. The micronucleus assay serves as one of the earliest carcinogenicity screens of candidate compounds in the drug development process. Session A – Number 8 – Tower.

Department of
Communication & Theatre Arts



Chris Curd

Professor Dennis Patrick, Sponsor

A Narrative Analysis of Humane Society Stories

Ethnographic observation was used to collect narratives told by workers at a local humane society. An analysis of these narratives reveals how workers' connections with animals and each other is given meaning and purpose. Session B – Number 60 – Reception.

Carrie Giere

Professor Chris Wood Foreman, Sponsor

Supporting Girls in Science and Engineering

A case study will be presented detailing the process involved in a dialogue grant sponsored by Michigan Campus Compact, in which faculty from the Physics, Chemistry, and Interdisciplinary Technology departments have partnered with members from the Girl Scouts of Huron Valley to design and implement a day of learning for local Girl Scouts. The case study will conclude with details about the hands-on learning experiences presented by role models in the science and technology fields. Session C – Number 97 – Faculty.

Al McWilliams

Professor Dennis Patrick, Sponsor

A Textual Analysis of Americans' Conceptualization of Love as Reflected in Valentine's Day Cards

Since Valentine's Day cards are a reflection of Americans' notions of love, they provide an opportunity to examine how our society views love, which may influence individuals' expectations for close relationships. This analysis examines how these cards portray love in different types of relationships (romantic, platonic, familiar).

Session A – Number 35 – SOC.



Megan Mitchell

Professor Jessica Alexander, Sponsor

Alyssa Michaelides

Professor James Robinson, Sponsor

Transracial Communication Model: Finding a Common Ground

Molefi Asante developed the Transracial Communication model as a means by which individuals could look beyond race and culture to communicate openly and effectively. The hope was that by learning to see a person as more than just a fellow human with different skin color and customs, we might be able to reach outside the grasp of stereotypes and enter a level of communication in which people were judged on their verbalizations and individual actions.

Session A – Number 36 – SOC.

Megan Mitchell

Professor Jessica Alexander, Sponsor

Reader's Theater: Utilizing Process and Product in Achieving Literacy Learning Goals

Reader's Theater, as a dramatic literacy tool, is a formidable technique for increasing reading comprehension and for reaching a myriad of learning styles. Using an original piece of theater created from abstract pieces of poetry, this presentation explores the significance of each step of the process itself, as well as the finished product, in achieving literacy learning goals. Session C – Number 98 – Faculty.

Renaë Reese

Professor Geoff Hammill, Sponsor

The Formidable Success of Brazilian Television: Entertainment Examination

As the largest country in South America, Brazil has the most extensive telecommunication system. Brazilian television programming is both effective and influential. This presentation examines Brazilian television programming and its impact on its audience. In particular, this presentation focuses on entertainment programming and how such programming became a formidable success. Session A – Number 26 – Main.

Neil Ripley

Professor Raymond Quiel, Sponsor

The Internet and the Erosion of Childhood

What does it mean to be a child in our culture? Is Western society, particularly the United States, hostile to the idea of childhood? This presentation will outline the history of childhood as a social concept, and then examine how technology has served to undermine it. Emphasis will be placed on the previous decade of the Internet Age.

Session B – Number 53 – Tower.

Elizabeth Storey

Professor Raymond Quiel, Sponsor

Spray on Skin: Primary Researching and Personal Connections in a Technological Society

The hunt by researchers to create an accurate and insightful depiction of certain subjects has intrigued scholars for decades. In modern society, the Internet provides a whole new hunting ground of resources. This presentation provides a reflection on both the process and the products that can be created by personal research connections. My correspondence with Dr. Fiona Wood regarding her 'Spray on Skin' will be used for illustration. Session A – Number 20 – Reception.



Department of Economics

Boiken Abazi

Professor Michael Vogt, Sponsor

The Economic and Political Situation of Albania: The Possible Solution to the Energy Crisis

In the past three decades we have seen an incredible number of loans given to developing countries by different IGOs, which have often had negative consequences for the borrowing countries. This paper takes a close look at one specific example where the European Investment Bank is currently financing a \$217 million euro project to help put an end to the present energy crisis in Albania. Will this project be another miscalculated judgment, or will it help the prosperity of the emerging Albanian economy? Session B – Number 55 – Faculty.

Lesha Bourne

Professor Michael G. Vogt, Sponsor

Eaton Corporation's Expansion Into the Thai Market

Eaton Corporation is looking into exporting their differentials to Thailand because Thailand has been hailed as a growing hub for SUVs. My presentation will involve an analysis of the Thai economy. Topics such as inflation, interest rates, barriers to trade, fiscal and monetary policies, balance of trade, foreign debt, exchange rates, etc. will be covered. I will apply economic principles I learned in the classroom to determine if Thailand is the right market for the corporation. Session B – Number 57 – Faculty.

Chris Brown

Professor Michael Vogt, Sponsor

The Impact of International Trade on the Andersons Inc.

The Andersons Inc. leases railcars to other companies so that they can ship their products and is considering expanding their leases in Canada. This paper carefully examines the demographics, political system, economy and legal system of Canada in order to determine if leasing more in Canada will be profitable. The results show potential for good profits and increased diversification if Andersons, Inc. decides to lease more in Canada. Session B – Number 56 – Faculty.

Andrew J. Geers

Professor Michael Vogt, Sponsor

Sunflowers and Germany

International Economics plays a vital role in today's global economy. With the European Union changing over to the Euro as their national currency, American businesses wishing to export into the European Zone must be aware of international economic principles. In this paper, the author analyzes both the German economy on the aggregate level and the policies of the European Monetary Union. The analysis will decide whether an American firm should export sunflower seeds to Germany. Session C – Number 89 – Tower.

Tiana Hood

Professor Michael Vogt, Sponsor

The Potential Market in Brazil for U.S. Exports

Brazil is the second largest economy in Latin America. With a wealth of natural resources and a strong balance of trade, Brazil has the potential to become a major force in the international economy. It is of the utmost importance that U.S. producers and investors be informed about the political and economic factors that affect the well-being of the Brazilian economy. This paper examines past and present political and economic factors with the intent of informing current or potential U.S. exporters to Brazil of the risks and potential returns of investing in the Brazilian economy. Session C – Number 90 – Tower.

Teodor Penov and Pandeli Kondi

Professor Michael Vogt, Sponsor

Investment Prospects in Ukraine for Masco Corporation

Masco Corporation is the world's largest producer of a wide variety of housing products to suit the interior of almost anyone's home around the world, and has recently shown interest in expanding its business into the country of Ukraine. The authors of this paper attempt to create an overall view of the economic conditions in Ukraine, and an in-depth look at the building materials market. Complete with conclusions and suggestions, the paper is geared towards providing Masco with the necessary information for future investment in Ukraine.

Session C – Number 91 – Tower.

Department of English
Language & Literature



Catherine Adams

Professor Joseph Csicsila, Sponsor

"Letters from the Earth: Faith is Believing What You Know Ain't So" or the Twain Manifesto

In reading the selected works from every major period of Mark Twain's literary career, we have witnessed the growth and development of a writer employing humor to thinly conceal his discontent with Christian ideals while ultimately expressing his despair of the human condition. Twain's view of our reality and his critique of divine providence cannot, however, be reduced to simple and palatable humor. In this vein the author of this presentation makes the argument that Twain's "Letters from the Earth" is not, as many critics have claimed, the ramblings of an embittered old man; on the contrary, it is a clear, courageous and concise presentation of Twain's true voice and is representative of his entire career. Session C – Number 119 – SOC.

Jennifer Marie Armstrong

Professor Christine Hume, Sponsor

Poetry and Prose: A World of Words

This presentation offers a series of dramatic readings from the senior thesis of the author. The author, drawing on her experience in both theater and creative writing, focuses on the dramatic elements of the written word, especially as these elements are apparent in the contrasting nature of language as it is conveyed through both poetry and prose. In these readings the emphasis is therefore placed on the performance nature of the texts. Session B – Number 80 – SOC.

Julie S. Brehmer

Professor Sheila Most, Sponsor

Exposing Children to Hearing Impaired Individuals Through Literature

There are not very many children's books that address deafness, although more books on the subject are being written now than ever before. In this presentation, the author compares two books, "The Raging Quiet" by Sherryl Jordan and "The Gift of the Girl Who Couldn't Hear" by Susan Shreve, which both focus on deaf children and their relationships with their hearing friends. More specifically, the author compares and contrasts the writing styles of Jordan and Shreve, concluding with an evaluation of effectiveness of the books in educating and informing children about deafness and friendship.

Session A – Number 28 – Main.

Meyin Hardy

Professor Phillip Arrington, Sponsor

What Causes Grade Inflation?

This presentation explores the casual forces behind the rise of high school grade inflation. Through an examination of the practices of one secondary institution, Troy High School, the author argues that the causes of grade inflation involve teachers, parents, administrators and textbook manufacturers. These causes, in combination, indicate that grade inflation is the result of a paradox: people might object to it, yet no one wants to deal with the consequences.

Session B – Number 70 – Main.

Lori Hubbard

Professor Mary Zdrojkowski, Sponsor

"The Simpsons": Satirical Social Commentary on Christianity and Family Values in American Culture

There are few aspects of American culture that do not suffer from the satire of the animated television program, "The Simpsons." In this paper the author develops how the program has awakened Americans to the idiosyncrasies of some of our strongly held ideals through its satire of Christianity and family values, contending in the process that "The Simpsons" transcends popular culture in the extraordinary influence it exerts on American life. Session B – Number 61 – Reception.

Alaine Karoleff

Professor Elisabeth Daumer, Sponsor

Reflections on Change: The Metamorphosis of New York City, Women, War and Life in "Waterlily Fire"

"Waterlily Fire," a poem inspired by a fire that destroyed a Monet painting, was written by Jewish-American poet and activist Muriel Rukeyser. The poem embodies the theme of change and the vulnerability that accompanies it. Rukeyser links this theme to the material experiences of womanhood as she reveals a girl growing into a woman and changing along with the city she inhabits. This presentation explores these themes, ultimately attempting to demystify the largely unknown and seldom critiqued Rukeyser.

Session B – Number 71 – Main.

Brandon Kierdorf

Professor Joseph Csicsila, Sponsor

It Took a Century to Smell the Water and Drink Up the Landscape

Pioneers became settlers and transformed America from an English colony to an independent country with a newly developing culture. Still embryonic, this new culture borrowed already established forms from the English. So did the writers of America; James Fenimore Cooper's use of the Queen's English in his opening narration of "The Pioneers" reflects a nation with less than 50 years of independence and an identity not fully realized. However, in the opening paragraphs of chapter 19 of "Huckleberry Finn," by contrast, Huck's description of the landscape in first person vernacular develops a more organic relationship between narrator and nature. This presentation makes the argument that the differences in Cooper and Twain represent the emergence of an authentic American prose. Session C – Number 120 – SOC.

Agnes Krynski

Professor Daniel Seely, Sponsor

An Analysis of Underlying SOV Word-Order and Word-Order Variation in German

Constructing a theory of our knowledge of language means investigating the internal, mental constructs of our individual language system. This presentation examines word-order variation in German. The author advances the claim that there is one underlying order for all German sentences and that word-order variations are the result of movement transformations that happen before words are actually spoken. Session B – Number 81 – SOC.

Hava Levitt

Professor Elisabeth Daumer, Sponsor

Building From the Place of Mournful Labor: Muriel Rukeyser's "Waterlily Fire"

If read as a post-Holocaust poem, Muriel Rukeyser's "Waterlily Fire" offers a peace-oriented community a unique path toward a livable future. Rather than leading her reader on a journey away from atrocity, she relates her story of moving through and within it. This presentation attempts to explore the poem in this particular context.

Session B – Number 72 – Main.

Gabe Miller

Professor Mary Zdrojkowski, Sponsor

Humor in Jazz

Though often overlooked or ignored by critics and musicologists, humor has played an important role in jazz music. It has been present in different forms in different eras of the music's history, at times abstract and only accessible through music, at other times concrete and directly accessible through performers' humorous verbal monologues. This presentation explores examples of both abstract and concrete types of jazz humor, and highlights the ways in which a recognition of both types of humor allows for a more complete understanding of jazz history. Session A – Number 21 – Intermedia.

Maria Moreno and Teresa Sunol

Professor Daniel Seely, Sponsor

The Null Subject Parameter: Comparison Between English and Spanish
Humans are born with a unique capacity for language. This innate information common to all humans consists, by hypothesis, of certain principles and parameters that the child modifies to accommodate a particular language. One interesting parameter is the Null Subject Parameter, which accounts for the allowances of sentences that do not contain a spoken subject. Spanish and English are two languages that differ in this characteristic. Therefore, the setting of these parameters must be easy enough for the child to learn. In this presentation the authors investigate the nature of this parameter in light of syntactic theory. Session B – Number 82 – SOC.

Adrienne Muncy

Professor Verónica Grondona, Sponsor

Implications of Diverse Literary and Colloquial Language Varieties in Sorbian, a Minority Language of Germany

The Sorbian languages consist of a group of West Slavic language varieties spoken in southeast Germany, by about 50,000 people. While there are two standardized Sorbian literary languages, Upper Sorbian and Lower Sorbian, most native speakers remain unfamiliar with the literary languages and communicate in various Sorbian dialects, many of which are intelligible with the literary languages only with difficulty. This presentation examines the phonological, morphological and lexical peculiarities of various Sorbian language varieties, giving particular attention to the sociolinguistic implications which the existence of the different varieties have for the survival of this minority language. Session B – Number 83 – SOC.

Lisa Ann Ozga

Professor Harry Eiss, Sponsor

Princess Leia Organa: A Heroine's Journey in "The Star Wars Trilogy"

Mythologist Joseph Campbell noted that there is a certain typical hero sequence of actions that can be found in most myths. Campbell referred to this important archetypal pattern as the "hero's story" (or "hero's journey"). George Lucas, a lover of mythology, was profoundly influenced by the archetypal hero's journey when he created "The Star War Trilogy." This influence is especially apparent in the character Princess Leia Organa, one of the major players in "The Trilogy." She is a well-rounded, gutsy and very intelligent female hero and this presentation explores her character in terms of the mythological hero's journey. Session C – Number 121 – SOC.

Jimi A. Radabaugh

Professor Sheila Most, Sponsor

Ancient Greek Myth in Contemporary Literature: John Updike's "The Centaur"

For nearly two thousand years the mythology of ancient Greece has impacted English literature. One of the more fascinating examples of mythology's enduring influence appears in John Updike's 1963 novel, "The Centaur." This presentation explains the function of myth in Updike's novel and, in particular, focuses on the parallels that Updike deliberately draws between characters in classical mythology and his own life. Session A – Number 29 – Main.

Melissa Cara Reinhold

Professor Elizabeth Daumer, Sponsor

The Strength in a Piece of Transparent Light: The Theme of Fragile Power in "Waterlily Fire"

This presentation provides a look into the power images that the little known writer Muriel Rukeyser applies in her poem, "Waterlily Fire." Rukeyser embedded these images of power into fragile objects, often relating this fragile power to women. This presentation thereby presents a complex argument about the poet's need to speak out on these fragile images and the powerful impact they can have on New York City, religion, women, war and communication.

Session B – Number 73 – Main.

Matt Sameck

Professor Joseph Csicsila, Sponsor

River Ride to Nowhere: Moral Growth and Futility in "The Adventures of Huckleberry Finn"

Mark Twain's "The Adventures of Huckleberry Finn" is a classic that is widely read as an affirmation of the individual will. However, while Huck's journey seems like a story of enlightenment lauding the battle against slavery, the conclusion of the novel suggests otherwise. This presentation explores how Huck's inability to act on what he learns illustrates the impossibility of the romantic notion of the individual changing society, an idea that Twain bitterly satirized throughout his career. Session C – Number 122 – SOC.

Jennifer Schmidt

Professor Sheila Most, Sponsor

A Modern Hero: Dorothy in "The Wizard of Oz" and Joseph Campbell's Monomyth.

According to Joseph Campbell's theory of the monomyth, the path that each hero journeys along encompasses three rites of passage: departure, initiation and return. Within each of these stages are adventures that reflect various aspects of the mythological journey. Using Campbell's monomyth, this presentation explores the ways in which Dorothy, as portrayed in the movie "The Wizard of Oz," is a hero undertaking the hero's journey. Session A – Number 30 – Main.

Sara Christine Sokoloski

Professor Sheila Most, Sponsor

Being Different: Comparing Two Children's Novels

Being different can be good, but for children, it can be scary and stressful. Children face many differences, from not having the same clothes as everyone else, to having different family structures. The books, "The Giver" and "Julie," tackle the problem of differences by going to the extreme of telling stories of children dealing with differences of the supernatural kind. This presentation develops those differences, addressing the issue in terms of the books' differences in characters, points of view and narrative structure.

Session B – Number 65 – Intermedia.

Jeffrey J. Steichmann

Professor Mary Zdrojkowski, Sponsor

Humor in Folktales: Its Use as Societal Constraint and Social Pressure Relief

Jesting, jokes and humor in folktales have been acknowledged for their entertainment value, but their significance as reinforcement of behavioral norms has only cursorily been examined. In this presentation the author demonstrates through interpretative analysis of American folktales and legends that humor functions to provide certain constraints on social behavior as it, at other times, also offers relief from certain societal pressures. Session A – Number 22 – Intermedia.

Rebecca Traynor

Professor Sandy Norton, Sponsor

Feminism Isn't Dead

James Joyce's "The Dead" has long been categorized as misogynist literature because Joyce primarily portrays weak women whose voices are silenced. However, as this presentation deals with the issue, the novella can be seen as entering the realm of feminism when Joyce's lead character, Gabriel, purportedly the strong male, is forced to confront the staunch, emerging voice of his wife, Gretta, just as his own authority and sense of self become ill-defined.

Session C – Number 123 – SOC.

Karen Weasel

Professor Rebecca Sipe, Sponsor

Case Study: An Independent Writing Student, Adrian High School

This case study details the writing history of a twelfth-grade student at Adrian High School who suffers from acute anxiety disorder and depression. The study includes journal entries and writing samples compiled during the several months of the observer's work on the study, charting progress in the student's writing style and voice, providing descriptions of how the student is able to grow as a writer despite the daily challenges he faces. Session B – Number 74 – Main.



Sara Christine Sokoloski

Professor Sheila Most, Sponsor

Stephanie Weber

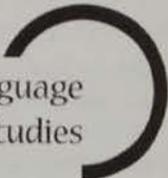
Professor Sheila Most, Sponsor

The 64-Bit Myth: The Relationship Between Ancient Myth and the Modern Role-Playing Game

Often myth is thought to be something far removed from contemporary society. This presentation brings myth to modern times through the medium of role-playing computer games. The elements of ice, fire, lightning and earth are the specific links between cultures such as Greek, Germanic, Hindu and Christian and the modern role-playing game Diablo II and its expression Lord of Destruction.

Session B – Number 66 – Intermedia.

Department of Foreign Language & Bilingual Studies



Lyndsay Buckman

Professor Carla Damiano, Sponsor

Dealing with Guilt: Second-Generation Germany Confronts the Holocaust

The portrayal of second-generation German guilt as seen in Bernhard Schlink's novel, "The Reader" and collection of short stories, "Flights of Love," is currently an important literary movement in Germany. This paper takes an in-depth look into post WWII second-generation Germany through the eyes of Schlink. Session A – Number 37 – SOC.

Agnes Krynski

Professor Genevieve Peden, Sponsor

French Language Policy: The Struggle Between Tradition and Innovation

This presentation explores recent linguistic legislation in France in the context of language purification and preservation. France uses the law to actively protect the national language in an attempt to preserve its cultural heritage in the face of the threatening language colonialism of America. This observation leads to more general questions to which we will try to find possible answers: To what extent do we have to break with tradition in order to welcome innovation? How does one generation's innovation become the next generation's tradition?

Session A – Number 38 – SOC.

Adrienne Muncy

Professor Carla Damiano, Sponsor

In Defense of "Faserland": Critical Response to Christian Kracht's Debut Novel

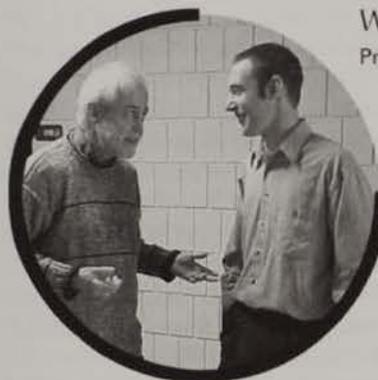
Like the works of many up-and-coming German writers, Christian Kracht's debut novel "Faserland" graphically portrays themes of drug and alcohol abuse, empty sex and hedonism. Critical reviews of the novel vary widely, with some literary critics hailing Kracht as the mouthpiece of Generation X Germans, and others condemning "Faserland" as a flat, self-indulgent novel with no redeeming value. This presentation examines critical reactions to "Faserland," and defends the author's use of shocking material as a literary device to critique contemporary society. Session A – Number 39 – SOC.

Wouter Verkerk

Professor Thomas Vosteem, Sponsor

American and French Cultural Misunderstandings in the Business Realm

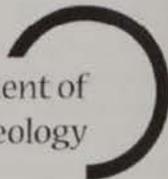
As the world grows smaller due to globalization, international business is becoming more common. In business, effective communication is essential, but both verbal and non-verbal messages may be distorted by the fabric of culture. This presentation examines some of the potential problems in non-verbal communication between Americans and the French in the business realm. Session B – Number 79 – SOC.



Wouter Verkerk

Professor Thomas Vosteem, Sponsor

Department of
Geography & Geology



Mustafa Banister

Professor Chris Mayda, Sponsor

Eight Mile Road: All the Way Down

Eight Mile Road is more than just an eight-lane road severing Detroit from its suburbs. Eight Mile stands as a literal and symbolic divide in Detroit's race relations, population, income and social fabric. In this audio/visual presentation Eight Mile Road changes from affluent, to blue-collar, to poverty neighborhoods and from factory districts to business centers. Equally, the author contrasts the happiness and hope found on the landmark street, against the bleak and desolate reality. Session C – Number 94 – Faculty.

Jeanette Bokhari

Professor Norman Tyler, Sponsor

A 5,000 Year Old "Modern" City: Mohejo-Daro, Pakistan

Mohejo-Daro, discovered in 1923, was a bronze-age settlement located at the center of a huge trading empire in present-day Pakistan. The city included modern urban planning principles, including indoor bathrooms and toilets, an efficient underground sewer system, regular trash pick-up, standardized construction and modern land use zoning principles. Significant comparisons can be made between this very early settlement and modern city planning. Session C – Number 92 – Tower.

Michelle L. Cousineau

Professor Norman Tyler, Sponsor

Exploring Redevelopment Options for an Abandoned Industrial Site – Assessing Community Economics, Demographics and Needs

A student-developed proposal for the redevelopment of an abandoned industrial site in Pinckney, Michigan, was derived from both research and community involvement. One option was explored in detail based on careful research into the community and its needs. The proposed medical/retirement campus would bring an economic boost and much needed services to the area while protecting the community's character and natural resources. Session C – Number 95 – Faculty.

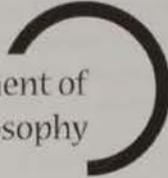
Leonard Ivezaj

Professor C. Nicholas Raphael, Sponsor

Great Lakes Erosion and Population Change: A Comprehensive Evaluation

Long-term coastal erosion data are used to determine critical bluff line erosion in the coastal zone of Michigan. These data and county population data reveal settings, which may be severely impacted in the future. The information is mapped and compared to county land values to identify future natural hazard zones in Michigan's coastal zone. Session A – Number 19 – Reception.

Department of
History & Philosophy



Mustafa Banister, Matthew Bardeleben, Patrick Belanger, James Cavanaugh, Lee Chang, Paul McKelvey and Patrick Sanders

Professor Rick Rogers, Sponsor

The Transformation of Our Neighborhood: Religious Diversity in Washtenaw County

This presentation will highlight several comparative elements drawn from the research of seven students of American history, all of whom have reconstructed for the first time the histories of seven very different local religious communities. Interviewing community historians (using a standard questionnaire) and gathering data from both private and public archival materials, these researchers have documented the stories of the following Ann Arbor and Ypsilanti organizations: The Muslim Community Association, The Baha'i Community, The Chinmaya Mission (Hindu), St. Nicholas Greek Orthodox Church, The Church of Scientology, Second Baptist Church and Jewel Heart Center (Buddhist). Session B – Number 50 – Tower.

Erica Bruns

Professor Margaret Crouch, Sponsor

Pushing the Boundaries: Self-Defense as a Woman's Priority

Women who protect themselves beyond the cultural limitations granted them are viewed as a threat. Why is this? The idea of women as independent and forceful beings has not been easily accepted or understood. This presentation will examine the boundaries linked between women, self-defense and society's reactions to the evolution of female-centered self-defense tactics. Session C – Number 114 – Gallery II.

Jeffrey Buzzell

Professor Daryl Hafer, Sponsor

Labor With and Without Unions

The purpose of this research is to provide factual evidence that the unionization will bring about a leveling of economy for the state and, more importantly, within a community itself. Though impeded at times, labor unions have brought safety and rights to the worker while keeping the federal government at bay with its increasing sterilization. Referencing examples such as the Prevailing Wage Law study done by Dr. Peter Phillips of the University of Utah, as well as an interview with Ron Motsinger of IBEW Local 252, overwhelming facts will show the necessity and importance of labor unions within the community. Session C – Number 115 – Gallery II.

Eric Colwell

Professor Michael Jones, Sponsor

Aristotle and Daoism: How to Live Well

This presentation will elucidate the most adaptable and healthy way to live a full life. First, an explanation and examination of Aristotle's position on happiness will be given. Following this, the difficulties presented by Aristotle's philosophy will be discussed within the framework of practical Daoist thought. Finally, some recommendations will be offered on what counts as living well. Session B – Number 76 – Gallery II.

Rachel Gutenberg

Professor Ronald Delph, Sponsor

The Crusades and Their Effect on the Jews

The First Crusade caused an outpouring of religious zeal on the part of European Christians. Yet a substantial part of this religious zeal was expended upon the Jews of Europe, who experienced slaughter, mass suicide and declining economic success. This paper argues that the First Crusade created a growing intolerance of Christians for Jews, and this led to the further marginalization of the Jews in Europe. Session A – Number 31 – Gallery II.

April Hall

Professor Michael Jones, Sponsor

The Ongoing Problem of Ignorance in Society

The purpose of this paper is to compare and contrast two opposing philosophies regarding the best interest of the individual and the state. I examine the negative effects of ignorance in ancient, 19th century and modern society. I offer Plato's ideal society as described in his "Republic" and John Stuart Mill's ideal in "On Liberty" as potential solutions. I maintain that a modern solution to the problem of ignorance requires a balance of both philosophies. Session A – Number 32 – Gallery II.

Luke Hoorelbeke

Professor Thomas Franks, Sponsor

Sartre's Doubts on the Notion of Sincerity

Is sincerity possible? The complexities of this question are hidden within its apparent simplicity. Jean Paul Sartre confronts this question with necessary fervor and ultimately realizes that to truly be sincere is impossible. This presentation will utilize the collusion of Sartre's idea of *bad faith* and how bad faith confines us within an existence based on our own choices, and how, through those choices, sincerity is rendered impossible. Session A – Number 33 – Gallery II.

Charles Stuart

Professor Michael Jones, Sponsor

Plato's Religion: The Significance of Salvation in Plato's Philosophy

This paper argues that Plato's philosophy must be understood in part as a religion because of its focus on the soul's salvation. Though generally understood in philosophy as a theory of knowledge and a system of metaphysics, Plato's thought cannot be fully appreciated unless its religious aspects are recognized and explored. This understanding is important to the history of philosophy because it suggests that other philosophies may require similar interpretation. Session B – Number 77 – Gallery II.

Barbara Sweeney

Professor Daryl Hafer, Sponsor

Slavery in France During the Middle Ages and Early Modern Period

Slavery has a long history in France, starting with the unfree persons captured in war by the Franks. My paper discusses conditions that caused individuals to become slaves and how they were distinguished from freemen. The separate system of justice for slaves became weakened by the decline of slavery in the Middle Ages. Slave policies of early Modern France and toward colonial slavery in the 17th and 18th centuries became entangled in legislative disputes over the nature of royal power and the property rights of French subjects. Session A – Number 41 – Salon.

Danielle Wright

Professor Ronald Delph, Sponsor

Witches: The Legend Lives On

The tragedy of the 16th and 17th centuries European witchcraze left a deep mark on European society. Witches continued to live on in the memories and folk tales of Europeans for centuries. A striking example of this is found in the depiction of witches in the Grimm brothers' collection of fairy tales from 19th century Germany. This paper analyzes the portrayal of witches in these stories, and argues that the images of witches in these tales can be traced back to the images of witches in the earlier era of the witchcraze.

Session B – Number 62 – Reception.

Department of Mathematics

Daniel J. Mania

Professor Tim Carroll, Sponsor

Aristarchus of Samos and His Heliocentric Theory

Copernicus is recognized as the main person that laid the groundwork for our present understanding of our solar system. But up to about 1500 C.E. most people believed in the Geocentric Theory of the Universe as put forward mainly by Ptolemy around 150 C.E. Aristarchus of Samos actually had a Heliocentric Theory almost 300 years before Ptolemy came along and 'proved' his theory with some rigorous mathematics. Aristarchus also performed some interesting calculations involving a few celestial objects.

Session C – Number 116 – Gallery II.

Department of Music

Kevin Balint

Professor Derek Weller, Sponsor

"Tarantella in A Minor" by Giovanni Bottesini

Giovanni Bottesini was born December 24, 1821 in Crema, Lombardy. He composed several double bass concertos, though his "Tarantella in A Minor" is probably his most recognized work. The myth of the Tarantella dance asserts that if one were bit by a tarantella, they would have to perform a dance to rid themselves of the poison. This tarantella opens with a freely moving cadenza to represent the spider, followed by a lively dance rhythm. Session A – Number 24 – Intermedia.

Susan Gannon

Professor Michael G. McGuire, Sponsor

Music Therapy for Children with Williams Syndrome

Williams Syndrome, a rare genetic disorder, is characterized by physical and mental impairments and abilities. Individuals with Williams Syndrome display cognitive disabilities in reasoning, mathematics, spatial processing and visual processing. However, they usually have average to above average abilities for language, facial processing, social skills and music. Music therapy is recommended because of the musicality and music talents demonstrated by many of the children diagnosed with Williams Syndrome. This presentation presents implications for music therapy treatment. Session C – Number 106 – Intermedia.



Kevin Balint

Professor Derek Weller, Sponsor

Michael James Hejka

Professor John Dorsey, Sponsor

"Polaris" by Mark Ford

"Polaris" is a one movement composition for solo marimba based on a rhythmic theme in 7/8 meter. Set in a modified rondo form, two separate ostinatos help unify the music while themes from the opening chorale and allegro sections are developed. As the North Star has served as a navigation reference for centuries, "Polaris" reflects the inner part of each of us that guides our decisions and shapes our identity. Session A – Number 23 – Intermedia.

David V. Pierce

Professor David M. Pierce, Sponsor

Bassoon Concerto in F Major, Mvt. I by Johann Nepomuk Hummel

Johann Nepomuk Hummel (1778-1837) was an Austrian pianist, composer, teacher and conductor and was considered, in his time, to be one of Europe's greatest composers and perhaps its greatest pianist. He was a student of Mozart and Haydn, and was Haydn's successor as kapellmeister for Prince Esterházy. The bassoon concerto, which was dedicated to a bassoonist named Griesbacher, is considered the most difficult of its period, featuring virtuosic passagework and feats of technical display. Session C – Number 107 – Intermedia.

Erin Quellhorst

Professor Ernest Brandon, Sponsor

"Welche Wonne, welche Lust" from "Die Entführung aus dem Serail" and "Deh vieni, non tardar" from "Le Nozze di Figaro" by Wolfgang Amadeus Mozart

One of two contrasting arias for lyric soprano, "Deh vieni, non tardar" (Please come, don't delay) from "The Marriage of Figaro", written to an Italian text, is somewhat sustained and requires the soprano to sing well into her alto range. "Welche Wonne, welche Lust" (What rapture, what joy) from "The Abduction from Seraglio", set in German, has a melody that is quick, light and slightly ornamental, as the soprano remains in her customary range. Session B – Number 68 – Intermedia.

Jennifer Shirley

Professor Kimberly Cole Luevano, Sponsor

"Soliloquies" by Leslie Bassett

Winner of the 1966 Pulitzer Prize in Music, Leslie Bassett (b. 1923) has written music performed by professional ensembles and soloists around the world. The Albert A. Stanley Distinguished University Professor Emeritus of Music at the University of Michigan, Bassett is a familiar face in southeast Michigan. "Soliloquies" for unaccompanied solo clarinet and dedicated to the Rev. Robert Onofrey is a portrayal through music of the process of recovery from the death of a loved one.

Session B – Number 67 – Intermedia.

Bryan Stanbridge

Professor John Dorsey, Sponsor

"Variations on Lost Love" by David Maslanka

An established composer currently residing in Montana, David Maslanka (b. 1943) has written numerous compositions for solo and chamber percussion, band, orchestra and other chamber ensembles. "Variations on Lost Love," written in 1977, has a spiritual theme with three variations in a modern variation style. Variations is a highly technical and musically challenging composition for solo marimba.

Session C – Number 105 – Intermedia.

Makiko Yamauchi

Professor Diane L. Winder, Sponsor

Cello Concerto in E Minor, Mvt. IV by Edward Elgar

Elgar (1857 - 1934) wrote his only cello concerto and last major composition as a memorial to the destruction created by World War I. The leading English composer of his generation, his music is firmly rooted in European Romanticism. Here the return of the first of two major themes is followed by a reference to the theme from the previous Adagio. A quote of the dramatic solo recitative from movement I creates a cyclic feel to the entire work.

Session B – Number 69 – Intermedia.

Seo-Hyun You

Professor Joel Schoenhals, Sponsor

"Scherzo in B Minor, Op. 20" by Frederic Chopin

Composers like Beethoven and Mozart typically used the title *scherzo* for humorous, joke-like music. Revolutionary yet respectful of tradition, Chopin maintained the traditional ABA form while using the title *Scherzo* for something completely different emotionally. The "Scherzo in B minor, Op. 20" is restless, fiery and passionate in the outer sections, lyrical and dreamy in the contrasting middle section. Chopin composed almost exclusively for the piano, to which he revealed his innermost thoughts and feelings. Session A – Number 25 – Intermedia.

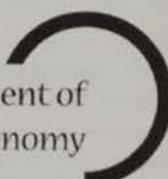
Yang Zheng

Professor Dady Mehta, Sponsor

Sonata in F Major, Op. 10, No. 2, Mvt. I by Ludwig van Beethoven

Written in 1797, the first movement of this Beethoven sonata is in typical sonata form: exposition, development and recapitulation. The exposition opens with a light and rhythmic theme, then, after a transition, modulates into a warm and bright second theme in C-major. The theme continues to modulate in the development. The theme returns in the recapitulation, but not in the tonic key. It lands in the key of D-major, and finally, after a beautiful retransition, returns to the tonic key of F-major. Session C – Number 108 – Intermedia.

Department of
Physics & Astronomy



Cindi Seal

Professor Weidian Shen, Sponsor

Evaluation of Adhesion of Ink Deposited on Plastic Film Using Nano-Indenter and Scanning Probe Microscope

Plastic packaging is used widely, especially in the food industry due to its microwaveability. Virtually every package is printed with ink. The adhesion of ink on plastic therefore merits increasing attention to ensure quality packaging. We will present a new technique developed in our Nanotribology Lab to evaluate the adhesion strength of ink deposited on plastic films using a Nano-indenter and a Scanning Probe Microscope, which shows great promise so that we can acquire an objective quantitative evaluation. Session C – Number 117 – Gallery II.

Jon P. Trochet

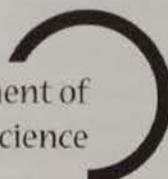
Professor Diane Jacobs, Sponsor

Building an AC/DC Power Supply

AC/DC power supplies are electronic devices used in virtually every electronics lab. This device features AC and DC outputs commonly used in undergraduate physics and electronic lab work. The output is fully protected from short circuits and there are safety grounding circuits to protect the user. I will discuss the construction of the power supply as well as how the device works.

Session A – Number 10 – Tower.

Department of
Political Science



James N. Allen

Professor Bernard O'Connor, Sponsor

The Progressive Conservative Party of Canada ... Then and Now

The (Progressive) Conservative Party of Canada experienced considerable change from the mid to late 19th and 20th centuries. By focusing on three Prime Ministers: Sir John A. Macdonald, John Diefenbaker and Brian Mulroney, the paper demonstrates the evolution of the party's platform and policies over the last 135 years.

Session C – Number 93 – Tower.



Jon P. Trochet

Professor Diane Jacobs, Sponsor

Staci Bennett

Professor Richard Stahler-Sholk, Sponsor

Guatemala: In Search of Democracy

The turmoil generated in Guatemala's society after the Peace Accords in 1996 demonstrates many of the hardships countries face while pursuing the transition from authoritarianism to democracy. After prolonged repression and attempted genocide during a 36-year civil war, Guatemala's indigenous Maya majority has taken the forefront in the struggle towards democratization. Their successes and frustrations hold comparative lessons for a global view of participatory government. Session C – Number 103 – Reception.

Lauren Bernard and Kristin Lay

Professor Edward Sidlow, Sponsor

Evaluating Social Protest Music: 1960s – Present

By examining the lyrical content of political and social protest music, the paper explores music as a tool for transmitting political messages. A comparison and contrast of dominant political messages in music from the Vietnam War to the specter of war with Iraq reveals the evolution of political and social protest music over the last four decades. Session B – Number 75 – Gallery II.

Emily Morgan Bonneau

Professor Jeffrey L. Bernstein, Sponsor

Is Politics a Guy Thing? Sex-Based Differences in Political Knowledge and Media Usage

Using more than 300 surveys of students in introductory level political science classes, this paper discusses the differing degrees of political knowledge, use of the news media and political interest as well as cynicism between men and women. The dominance of men in these areas could have stark implications. However, the results indicate that the class may act as an equalizer that narrows the sex-based gaps in political knowledge and media consumption. Session C – Number 99 – Reception.

Kaitlin Clark

Professor Barry Pyle, Sponsor

The Dynamic Evolution of Commerce Clause Policy

Judicial interpretation of law often has greater impact on society than congressional or constitutional text standing alone. This paper investigates the dynamic evolution of the Supreme Court's commerce clause policy and its impact on federal courts of appeals' decisions. Specifically, it tests the notion that judicial policy-making follows a predictable, four-staged process in both the Supreme Court and courts of appeals. Session C – Number 109 – Main.

Barbara Hartung

Professor Jeffrey L. Bernstein, Sponsor

Should Incumbents Dread Diverse Districts?

One of the most researched aspects of political science is the advantage congressional incumbents have when seeking reelection. By looking at the racial, economic and educational characteristics of House districts, the paper addresses whether the diversity of a district makes the district harder to tame and thus affecting the likelihood of being reelected. Session C – Number 100 – Reception.

Sara Henschell

Professor Joanna Scott, Sponsor

Can You Prosecute the Gun?

By examining Hannah Arendt's report on Eichmann's trial in Jerusalem, this paper looks at the notion of using Eichmann as a representation of guilt and responsibility for human atrocities wrought by a totalitarian regime. In her report, Arendt demonstrates that prosecuting Eichmann was not a substitute for justice, but a continuation of banality in its own right. Session C – Number 111 – Main.

Luke Hoorelbeke

Professor Joanna Scott, Sponsor

The Political Importance of Italian Futurism

This paper explores the writings and visual art of Italian Futurists, whose works influenced the early years of Mussolini's regime and are studied by political theorists and art historians today. Their movement was widely known around Europe for its intense focus on modern urban life, technology and warfare in the years before and just after World War I. Their intent was to build a new modern civilization in Italy, leaving its ancient ruins and politics behind. Session B – Number 63 – Reception.

James Polk

Professor Barry Pyle, Sponsor

INS and Foreign Nationals in the Age of Terrorism

Utilizing a case study of a female Congolese refugee applying for political asylum in the United States, this presentation explores the relationship between the bureaucracy of the Immigration and Naturalization Service (INS) and those forced to interact with it. The case reveals the difficulties of balancing theoretical law and the behavior of human actors within the INS judicial system, as well as the practical implications for the INS and refugees in a world where terrorism is a major concern. Session C – Number 110 – Main.

Neil Ripley and Steven Jackson

Professor Rhonda Kinney, Sponsor

The Possibilities for Developing Transcendent Political Leadership: A Case Study

Private industry recognizes the importance of effective leadership. Business organizations invest resources in studying and developing leadership strategies throughout organizations. Government organizations have not always shared the same attitude and approach. Instead public organizations tend to rely on standard operating procedures and routines in the face of a changing society. This paper examines presidential staff organizations in order to assess the degree to which these organizations have developed effective leadership strategies and adapted to changing demands over time. Session C – Number 96 – Faculty.

Department
of Psychology

John Gaffka and Laci Tuttle

Professor John McManus, Sponsor

Compliance/Adherence Personal Companion Program

This project utilized a team approach for increasing client compliance in carrying out daily exercises in a physical rehabilitation program. Two undergraduate psychology students served as "personal companions" to the client in implementing a successful behavior change program. Personal companions carried out a number of important functions, including daily record keeping/feedback, prompting/reinforcement of client behaviors, fly-on-the-wall observations and professional consultation. Client compliance rates increased from 40 percent to 100 percent, facilitating goal achievement in all areas.

Session A – Number 34 – Gallery II.

Lisa Schooley

Professor Dennis Delprato, Sponsor

Hardiness and Movie Preference

Do men prefer manly films? Do elderly people only like boring films? If a person is "hardy," or considered to have a high well-being and ability to make sound decisions, what kind of film do they prefer? The purpose of this study was to answer these questions. We found that people who scored high in hardiness preferred fun movies. On the other hand, people who scored low on hardiness reported liking "wimpy" animated movies. Session C – Number 118 – Gallery II.

Department of Sociology,
Anthropology & Criminology

Sergio E. Criado

Professor Kristine Ajrouch, Sponsor

Affirmative Action: An Affirmative Defense Against Institutional and Structural Violence

The recent decision by the U.S. Supreme Court to hear the case brought against the University of Michigan is testimony to the tensions surrounding the policy of affirmative action. A critical examination of the literature addressing the viability of this policy is warranted. By presenting research that both challenges and supports affirmative action, this paper addresses the inaccuracies and faulty premises that underpin much of the argument for and against this national policy.

Session A – Number 1 – Alumni.

Teresa L. Long

Professor Karen Schaumann, Sponsor

African-Americans on Television: Myth Versus Reality

African-Americans make up the largest minority group in the United States. This research will examine how they are portrayed through a variety of television media. Analysis of a sample of African-American images will be conducted qualitatively and quantitatively. Comparisons will be made to actual African-American population demographics. This examination determines if the images on television are realistic portrayals of the African-American population.

Session C – Number 112 – Main.



Teresa L. Long

Professor Karen Schaumann, Sponsor

Kent McRae

Professor Barbara Bilgè, Sponsor

Julian Steward's Rigorous Positivism

The positivist approach of U.S. anthropologist Julian Steward produced results of importance to the science of anthropology, and to members of cultures around the world who are interested in how the world market economy creates cultural change. Steward built upon the practices and beliefs of his teachers to devise a methodology and theory that brought U.S. anthropology out of the museum and onto the front lines where the process of cultural change may be observed.

Session B – Number 78 – Gallery II.

Eric Lamont Monat

Professor Barbara Bilgè, Sponsor

Eric R. Wolf: Life and Impact on Cultural Anthropology

Eric Wolf was a revolutionary in his practice of anthropology. Growing up Jewish in Austria in the 1930s, he gained an understanding of what being the "other" meant, and through his anthropological work sought to be a voice for justice. This paper discusses Wolf's life, influences and his impact on the field. Session A – Number 42 – Salon.

Kimberly Warren

Professor Barbara Bilgè, Sponsor

Ruth Benedict: A Female Perspective and the Popularization of American Anthropology

Ruth Benedict entered anthropology at a time when women were just beginning to gain a foothold in the field. Overcoming this obstacle as well as her own personal battles in life, Benedict fought to bring anthropology and the study of culture to the general public in the United States. With her book "Patterns of Culture," Benedict made her mark as a female anthropologist and helped to educate readers across the country about culture. Session A – Number 43 – Salon.



Women's Studies Program

Maria M. Miranda and Jennifer L. Van Eyck

Professor Sandy Norton, Sponsor

Race, Sexuality and Iconography: Deconstructing the Lives of Marilyn Monroe and Dorothy Dandridge

Using literary commentary and biographical accounts, this presentation explores the careers of the popular 1950s actresses Marilyn Monroe and Dorothy Dandridge, as well as their lasting affect on American culture. Particularly, this oral presentation will examine the lives of these women through feminist perspectives, incorporating visual aides, answering such questions as: What are their influences in Hollywood today? Can their successes and failures be explained by feminist theory? What parallels and distinctions occurred between Monroe and Dandridge? Session A – Number 27 – Main.

Jennifer Poor

Professor Daryl M. Hafter, Sponsor

Gender Benders: Women Enlisted in the Military During the American Civil War

This paper explores the experiences of women who officially enlisted in the American Civil War, against regulations. Because of rigid gender roles, those who joined the ranks as soldiers had to disguise themselves as men. These pages describe their incredible experiences, the impact that the society they lived in had on their experiences and the lack of recognition they seem to have received, both then and now.

Session A – Number 40 – Salon.

Department of
Accounting & Finance



Ru Knoedler

Professor Zafar Khan, Sponsor

Building a Financial Drill-Down Application for U of M Hospital Finance DataMart

This project represents a historic first where University of Michigan's information technology department allowed interns to work on a major IS initiative. Four EMU accounting information systems students created a Microsoft Access based prototype of UMHS HFDM Web-based, reports detail drill-down capability that demonstrated to decision-makers timely control and better decision-making. The UMHF end-users conducted functional tests on the prototype. The redesign team used the prototype to communicate functional needs to their vendor, Siebel Systems. Session A – Number 11 – Faculty.

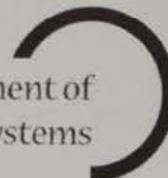
Ping Yang

Professor Kenneth C. Young, Sponsor

The Effect of Sleeping Patterns on Business Performance: More or Less?

Using correlation analysis and linear regression approach, the effect of sleep time on a series of employees' performances has been explored. The data suggest that (i) there might exist a linear relationship between sleep time and mental errors; and (ii) more sleep time might contribute to fewer mental errors and better emotional and physical ratings. These results will provide a solution to improving business performance via a simple way. Session A – Number 12 – Faculty.

Department of
Computer Information Systems



Keith E. Corbin

Professor Pedro P. Sanchez, Sponsor

Status of the Information Systems Profession

Prior to September 11, 2001, members of the information systems (IS) profession experienced spectacular growth in recognition, professional status and financial reward. Since that date, however, and in the midst of a downturn of the United States and global economies, IS professionals have experienced a sharp downward spiral in professional status and financial reward. In this paper, the author surveys the status of the IS profession, exploring the areas most affected, and pointing towards new promising areas of growth.

Session A – Number 13 – Faculty.

Department
of Management



Neil Duda

Professor Kostas Voutsas, Sponsor

Human Resource Management: Discovering Gender's Effects on the Mentoring Process

Addressing how the preferences of men and women will affect learning, and an employee's development within an organization, has become a crucial human resource function. Secondary research, as well as a questionnaire, will be used to gather information on the attitudes and opinions, of both genders, that play a role in the mentoring process. The findings of the questionnaire will be discussed, as will recommendations for companies' creation of future policies, during the presentation.

Session A – Number 2 – Alumni.

Department
of Marketing



David Graham

Professor Barbara Foster, Sponsor

Customer Service at Enterprise Rent-A-Car

Customer satisfaction is key to the success of any company. During his fall 2002 internship at Enterprise Rent-A-Car the researcher surveyed 40 customers regarding total satisfaction, promptness, courtesy, professionalism, clear understanding, speed of service, cleanliness of vehicles and suggestions for improvement. Session A – Number 15 – Faculty.

Andrew J. Machosky

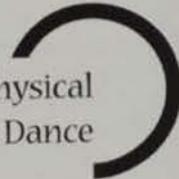
Professor Barbara Foster, Sponsor

EMU Football Attendance Problem Study

To retain its membership in Division I-A, EMU needs to increase attendance at home football games. With a requirement of 15,000 fans in attendance, EMU recorded only 13,276 in 2001. During the fall 2002 term the researcher surveyed 40 EMU students regarding atmosphere, ticket price, promotions/giveaways, fan interaction, tailgating, school spirit and the team itself. Session A – Number 14 – Faculty.

COLLEGE OF EDUCATION

Department of Health, Physical
Education, Recreation & Dance



Lily Elgincolin

Professor Joann McNamara, Sponsor

"No Longer Bitter"

The unexpected whimsy of a glove in attracting a transformative love is examined in this movement study performed to music by Mike Oldfield. Session A – Number 44 – Salon.

Tiarah Garcia

Professor Joann McNamara, Sponsor

"Quest"

This movement study, to music by Enya, explores the search, and ultimate discovery of, a coherent life purpose.

Session A – Number 44 – Salon.

Christopher McGrew

Professor Shel Levine, Sponsor

Role of Atrial Fibrillation as a Risk Factor for a Cerebrovascular Accident

Atrial fibrillation is a serious supraventricular arrhythmia originating from an ectopic pacemaker located in one of the atria of the heart. A complication is the formation of thrombi within the atrium chamber. Due to the development of thromboemboli, it is speculated that this can lead to a higher incidence of cerebrovascular accident. This presentation will attempt to show the relationship between atrial fibrillation and the risk of a cerebrovascular accident.

Session B – Number 45 – Alumni.

Jamaal Perkins

Professor Shel Levine, Sponsor

Functional Flexibility

Flexibility is a very important component of physical fitness and daily functional independence, thereby, requiring special attention and practice. As a person ages, he/she experiences a reduction in flexibility which may cause a myriad of problems for the musculo-skeletal system. Different types of stretching and other flexibility exercises help to improve or maintain desired range of motion, independent of age. The scope of this presentation is to examine the importance of flexibility and to identify exercises that maintain or improve optimal range of motion for all ages. Session B – Number 46 – Alumni.

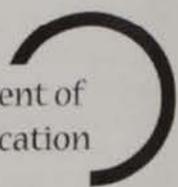
Erin Quellhorst

Professor Joann McNamara, Sponsor

"Internal Struggle"

This movement study, performed to music by David Karagianis, explores the struggle of an individual seeking autonomy, while giving social norms their due. Session A – Number 44 – Salon.

Department of
Teacher Education



Gayle Akins

Professor Pat Williams-Boyd, Sponsor

You and Your Ecosystem: The Impact of Everyday Life ... A Ninth Grade Earth Science Unit of Study

This ninth grade earth science unit helps students understand the integrated Web binding the community of life and how humans impact earth's limited resources, especially in terms of water and land usage. Students are encouraged to examine their daily decisions in light of environmental impact, analyze community decisions and develop responses to complex issues. Session A – Number 16 – Reception.

Gretchen Balmer, Kelley Harrison, Katrina Padley and
Stacy Preimer

Professor Caroline A. Gould, Sponsor

Hate Crimes

Much progress has been made in human and Civil Rights advocacy and legislation in the United States, but hate crimes continue to be committed routinely. The research team investigated current statistics of recorded hate crimes, the victims and the types of crimes committed. Team members also examined the motives behind hate crimes, the physical and psychological effects on the victims and how legislative change can work to prevent such violence.

Session A – Number 5 – Alumni.

Stephanie Boling

Professor Martha Baiyee, Sponsor

Performance-Based Assessment in Early Childhood Education

This presentation focuses on research that was conducted using two children's performances on a standardized test and an adapted performance-based version developed by the principal investigator. The two sets of scores were compared. Results from the study indicate that the children scored better on the performance-based assessment. Implications of the results are considered within the context of providing teacher training and within the context of a paradigm-shift in the view of instruction and assessment. Session B – Number 51 – Tower.

Elizabeth Brink, Shannon Hardesty, Cara Rogers,
Megyn Smith and Caitlyn Thom

Professor Caroline A. Gould, Sponsor

The Psychological Effects of Parental Incarceration on School-Age Children
In 1999 an estimated 721,500 parents of 1.5 million children were incarcerated in state and federal prisons. The student research team explored the emotional, social, cognitive and physical well-being of school-age children who have been displaced when the custodial parent is incarcerated. The lasting effects of separation and frequent shifts in caregiving are explored as well as governmental measures to help reduce this burden on children. Session C – Number 87 – Alumni.

Karry Carter

Professor Pat Williams-Boyd, Sponsor

The American Revolution Through Multiple Lenses

This project is a social studies unit developed on the theme of the American Revolution and written for the eighth-grade classroom. The unit introduces students to the American colonists, examines the precipitating factors, the major confrontations and 10 of the Revolution's principal players including African-Americans, Native Americans and women. Session C – Number 101 – Reception.

Linda Edberg, Tracy Inosencio, Amy Mangan, Lisa
Mauch, Erin Moug and Katie Wickersing

Professor Caroline A. Gould, Sponsor

Aspects of Female Self-Image Through the Lifespan

This research examined female identity and specific ways self-image develops across the lifespan. Included are aspects of expression the role in some diseases and life circumstances. Female self-image was explored within the context of the media, adolescence, peer relationships, substance abuse, sexual and domestic violence and aging.

Session C – Number 88 – Alumni.

Lisa Kontowsky

Professor Pat Williams-Boyd, Sponsor

Financial Awareness

This 10-day unit plan, written for a sixth-grade special education resource room, concentrates on broadening the students' financial awareness and knowledge in addition to assisting them in becoming financially independent. The unit provides a hands-on, creative and challenging approach to fuse the elements of education and enjoyment while teaching basic concepts and improving proficiency in fundamental skill areas. Session A – Number 17 – Reception.

Kimberly Krohn, Dan LaCroix, Jessica Porter, Melissa Shihadeh and Robert Schicker

Professor Caroline A. Gould, Sponsor

Domestic Violence and Its Relationship to Substance Abuse

This research team examined the relationship between domestic violence in intimate relationships and substance abuse. Through a review of the research data, interviews with domestic violence shelter staff and our own personal stories, the team examined types of abuse, characteristics of abusers, warning signs and issues complicating treatment. Session A – Number 4 – Alumni.

Jeannie Kunz, Casey Ronk, Joel Slaven and Stacy Syrstad

Professor Caroline A. Gould, Sponsor

Depression in the Elderly

While the rate of depression among the elderly is not more statistically than the rate of depression in young people, it tends to have more serious effects on health and rehabilitation. This research examined the biological, social and environmental influences of depression on the elderly and the subsequent need for multi-faceted treatment approaches. Session B – Number 49 – Alumni.

Mara Rochon

Professor Pat Williams-Boyd, Sponsor

Essay Writing

The unit entitled "Essay Writing" breaks down the writing process for 10th-grade students grouped in a heterogeneous classroom. With special attention to a variety of abilities and disabilities, ethnicities and backgrounds, this 10-day unit creatively and engagingly examines the writing process in terms of six concepts: idea/thesis, genre, expression, supporting arguments, structure and grammar. The goal of the unit is for students to be able to write well-organized, clear and concise essays. Session A – Number 18 – Reception.

Susan Robertson

Professor Linda Lewis-White, Sponsor

Sticks and Stones May Break My Bones: Language of Exclusion and the Schools

The language of exclusion is powerful. Words such as "minority" and "handicap" are powerful words that seem harmless until you begin to think about what they mean. All of these words have long history and deep meaning. Where did they come from and what did they originally refer to or mean? How can we teach children about the language of exclusion and diminish its use in our classrooms and schools? This presentation explores some possibilities. Session C – Number 113 – Main.

Mary Kathleen Walsh

Professor Elizabeth Johnson, Sponsor

One Little, Two Little, Three Little Indians: Pedagogical Pathways to Unlock the Native American Dusty Past and Paradoxical Present

Those brave enough to journey into the culture of our first Americans, must shed traditional cultural myths. Traditional unit plans designed to educate children about the true plight of America's first citizens have been chronicled in false assumptions, biased discourse and blatant untruths. This presentation presents a total immersion instructional model that embraces children's learning styles as a vehicle to correct the historical record and thereby illuminate their true cultural and spiritual essence. Session A – Number 3 – Alumni.

COLLEGE OF HEALTH AND HUMAN SERVICES

Department of
Social Work

Juanita House and Jamie Scott

Professor Betty Brown-Chappell, Sponsor

Intergenerational Project

This Ypsilanti HUD funded grant undertaken by Eastern Michigan University social work interns provides youth and elders the opportunity to interact by participating in the Intergenerational Project. This project is based upon skill and relationship building that statistically improves the degree of respect and understanding between members of the community. This paper will demonstrate a model of elders and youth, in community cooperation. Session C – Number 86 – Alumni.

Diana Krajewski

Professor Elvia Krajewski-Jaime, Sponsor

Community Outreach Partnership Center (COPC) Evaluation

The Department of Housing and Urban Development awarded Eastern Michigan University a three-year COPC grant to promote effective relationships between EMU and Ypsilanti by working with community organizations and local governments to revitalize low-income neighborhoods and bring new opportunities to Ypsilanti citizens. The COPC Project has to be semi-annually evaluated to ensure that EMU is fulfilling their duties of the grant and to make necessary improvements. This applied research is based on the first evaluation, which surveyed both EMU and community partners. Session B – Number 47 – Alumni.

Lisa Luderman

Professor Betty Brown-Chappell, Sponsor

Stop the Violence

Domestic violence is a societal problem that affects millions of women each year. The Violence Against Women Act was passed in 2000 and made available more than \$3 billion to combat the problem of domestic violence. This paper demonstrates a systematic analysis of the Violence Against Women Act. Included will be the historical problems leading to the formation of domestic violence legislation, the nature of domestic violence, description of the policy and the effects on the target population. Session C – Number 84 – Alumni.

Lisa Neverdausky

Professor Bonnie Miller, Sponsor

Relational Aggression: A Study of the Hidden Culture of Aggression in Girls

Recently, researchers have discovered that what they once considered to be arbitrary teasing, harmless pranks and petty jealousies occurring within the social groups of girls are, in fact, precisely planned campaigns executed with cruel, cunning and malicious forethought. In this paper, the author compares groundbreaking studies, demonstrates how this covert culture of aggression develops and explains why many healthy teenage girls become depressed and self-destructive upon reaching adolescence. Session C – Number 85 – Alumni.

Department of Human, Environmental
& Consumer Resources

Lisa Locke

Professor Alice Jo Rainville, Sponsor

Nutrition Therapy for Patients with HIV

Nutrition therapy is an essential component of health care for patients with human immunodeficiency virus (HIV). The patient's nutritional status affects their survival. A loss of lean tissue and fat, commonly known as HIV wasting syndrome, is detrimental because it further lowers the patient's immune system response, putting them at risk for malnutrition. The prevention of nutrient deficiencies is necessary to prevent HIV wasting syndrome and the consequent increased risk of infection and illness. Session B – Number 48 – Alumni.

Juanita House and
Jamie Scott

Professor Betty Brown-Chappell, Sponsor



COLLEGE OF TECHNOLOGY

Department of Business &
Technology Education

Natalie Gorman

Professor Darcelle White, Sponsor

To Track or Not to Track

Tracking has been a controversial issue for educators for the past 20 years. In this presentation, the author explores the arguments surrounding the issue of tracking in areas such as achievement, segregation, social psychological effects, mobility, curricula and placement. She also provides steps on how one can implement the change to detracking, based on the book, "The Heart of Change," by John Potter. In conclusion, she gives her own thoughts and beliefs on tracking and detracking. Session B – Number 52 – Tower.

Department of
Interdisciplinary Technology

Erik W. Myers

Professor Paul Majeske, Sponsor

Background, Issues and Trends of Artificial Intelligence (AI)

The newest technological front in computer technology and robotics is Artificial Intelligence (AI). This presentation will detail the background of AI and raise some ethical questions that this technology may produce. With this study, information was gathered to make a firm stand and create a valid argument regarding the use of AI. This topic is very controversial and worthy of future research. This technology has the opportunity to change our society dramatically. In the same way that the computer has revolutionized our culture, AI can be looked at as the next step in our technological evolution.

Session B – Number 54 – Tower.

Congratulations

Congratulations to recipients of the University Honors Program Senior Thesis/Project and Symposium Award - sponsored jointly by DaimlerChrysler and Academic Affairs - who are presenting at the Undergraduate Symposium XXIII:

Jennifer Marie Armstrong
Lyndsay Buckman
Michelle L. Cousineau
Tiffany Edwards
Natalie Gorman
Adam Gracon
Elizabeth Hammond
Nicola Harrison-Lowe
Barbara Hartung
Steven Jackson
Ronique Keane-Dawes
Christopher Knight
Maria Moreno
Adrienne Muncy
Lisa Neverdausky
Wouter Verkerk
Nicole A. Vitale



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 James Todd, Interim Associate Dean
 Bernard O'Connor, Assistant Dean
 Velma G. Clarke, Administrative Associate
 Jill Hunsberger, Director of Development
 Sally Lucas, Administrative Secretary
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Symposium XXIII

Undergraduate
 College of Arts and Sciences



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