

QUEST 2009: A FORUM FOR STUDENT SCHOLARSHIP PROGRAM SCHEDULE

MORNING SESSION I: 8:30 – 10:00

HUMPHREY ROOM	MATHEMATICS
JAMES GALLERY	ART AND ENGINEERING
OHIO ROOM	POSTER SESSION I: MULTIDISCIPLINARY
PUGSLEY ROOM	SOCIOLOGY AND GERONTOLOGY

MORNING SESSION II: 10:30 – 12:00

BRESNAHAN I AND II	ENGLISH AND LITERATURE
COFFELT ROOM	COMPUTER SCIENCE AND INFORMATION SYSTEMS
HUMPHREY ROOM	COMMUNICATIONS AND POLITICAL SCIENCE
JAMES GALLERY	ENGINEERING MULTIDISCIPLINARY SESSION
JONES ROOM	RESEARCH ON SAN SALVADOR, THE BAHAMAS
OHIO ROOM	POSTER SESSION II: BIOLOGY, ENVIRONMENTAL SCIENCE AND COMPUTER SCIENCE
PUGSLEY ROOM	PSYCHOLOGY, SOCIOLOGY, NURSING AND CRIMINAL JUSTICE

CHESTNUT ROOM QUEST LUNCHEON 12:00 – 1:15

KEY NOTE SPEAKER: Dr. Chester Cooper Jr., Biological Sciences
“Is YSU Really An Urban Research University?”

AFTERNOON SESSION I: 1:30 – 3:00

BRESNAHAN I AND II	ENGLISH AND LITERATURE
COFFELT ROOM	PHYSICS AND ASTRONOMY
HUMPHREY ROOM	HISTORY, GEOGRAPHY AND INTERNATIONAL STUDIES
JAMES GALLERY	MECHANICAL AND INDUSTRIAL ENGINEERING
JONES ROOM	APPLIED ENVIRONMENTAL SCIENCE
OHIO ROOM	POSTER SESSION III: CHEMISTRY, ALLIED HEALTH, HEALTH PROFESSIONS AND NURSING EDUCATION
PUGSLEY ROOM	GERONTOLOGY AND SOCIOLOGY
ROOM 2068	SUMMER ART IN CHINA

AFTERNOON SESSION II: 3:30 – 5:00

BRESNAHAN I AND II	ENGLISH, LINGUISTICS, LITERATURE AND PROFESSIONAL WRITING AND EDITING
COFFELT ROOM	BUSINESS MANAGEMENT AND ACCOUNTING
HUMPHREY ROOM	DANA SCHOOL OF MUSIC
JAMES GALLERY	MECHANICAL AND INDUSTRIAL ENGINEERING
JONES ROOM	HUMAN ECOLOGY AND EDUCATION
OHIO ROOM	POSTER SESSION III: ENGINEERING AND OHIO FIRST SCHOLARS

MORNING SESSION I 8:30 – 10:00

HUMPHREY ROOM – MATHEMATICS

Session Moderators: Dr. Jay Kerns and Dr. Thomas Smotzer,
Mathematics and Statistics

- 9:00 - 9:15 The Fine Topology of Minkowski Space
 Jared Ruiz
 Faculty Advisor: Steven L. Kent
- 9:15 - 9:30 Monkey See, Monkey Do, Monkey Censoring of Type II
 Erica Cross
 Faculty Advisor: Jay G. Kerns
- 9:30 - 9:45 Steiner's Minimal Tree Problem
 Joshua Camuso
 Faculty Advisor: Thomas Smotzer

JAMES GALLERY – ART AND ENGINEERING

Session Moderators: Carol Lamb and Brian Vuksanovich,
Engineering Technology

- 8:45 - 9:00 Medical Data Sheets Process Improvement at Alliance Community Hospital
 William James
 Faculty Advisor: Martin Cala
- 9:00 - 9:15 Revit Architecture- The Advantages of Converting to BIM Design Software
 Trevor Rapp
 Faculty Advisor: Carol M. Lamb
- 9:15 - 9:30 Cross-Disciplinary Manufacturing Project
 Christopher Durkos and Leonard Williams
 Faculty Advisor: Greg Moring and Brian Vuksanovich

OHIO ROOM – POSTER SESSION I: MULTIDISCIPLINARY

Session Moderators: Dr. Rosemary D'Apolito, Sociology and Anthropology
Dr. John Hazy, Criminal Justice

- 8:30 - 10:00 A Cool City Survey: Do YSU Students Think Youngstown is a Cool City?
 James Kiriazis, Sarah Kluska and Sarah Russell
 Faculty Advisor: Rosemary D'Apolito
- 8:30 - 10:00 A Look at Youngstown State University Student's Perceptions About Youngstown
 Edwin Beach, Clark Cretella and Andrea Matyi
 Faculty Advisor: Rosemary D'Apolito
- 8:30 - 10:00 An Examination of the Collaborative Efforts between YSU and the Local Economy
 Kaila Becker and Nicole McElroy
 Faculty Advisor: Daniel J. Van Dussen
- 8:30 - 10:00 Analysis of Multi-detector Gamma-ray Data Using Radware
 Tim Detwiler
 Faculty Advisor: James J. Carroll
- 8:30 - 10:00 Dirty Dozen: Carcinogens in Common Products
 Alison Matthews
 Faculty Advisor: Priscilla N. Gitimu

OHIO ROOM – POSTER SESSION I: MULTIDISCIPLINARY**CONTINUED**

- 8:30 - 10:00 Emotionally Charged Visual Stimuli
Jennifer Ramsey
Faculty Advisor: Julie Blaskewicz Boron
- 8:30 - 10:00 Justice Served: Extra-legal Factors and Discrimination in Sentencing Among Gende
Tara Buxton
Faculty Advisor: Karen Giorgetti
- 8:30 - 10:00 Media's Influence on Body Image, Dress in the Workplace and Body Modification
Nicole Smith
Faculty Advisor: Priscilla N. Gitimu
- 8:30 - 10:00 Searching for Extragalactic Planetary Nebulae in the Virgo Cluster
Ashley Skalsky
Faculty Advisor: John J. Feldmeier
- 8:30 - 10:00 The Media's Influence on Body Image, Dress in the Workplace & Body Modification.
Jennifer Cvengros
Faculty Advisor: Priscilla N. Gitimu
- 8:30 - 10:00 The Search for in the BOKS Survey Field
Rebecca Kutsko
Faculty Advisor: John J. Feldmeier
- 8:30 - 10:00 What Elements in a City Affect Rape?
Adam Novotny
Faculty Advisor: John M. Hazy
- 8:30 - 10:00 What Factors Influence Sleep?
Kristen Hawthorne
Faculty Advisor: John M. Hazy
- 8:30 - 10:00 Youngstown's Creative Class: Still Ranked Last?
Lindsay Wilson, Caitlyn Ryan and Erin Stevens
Faculty Advisor: Rosemary D'Apollito

PUGSLEY ROOM – SOCIOLOGY AND GERONTOLOGY

Session Moderator: Dr. Daniel J. Van Dussen, Sociology and Anthropology

- 8:45 - 9:00 Medicare Part D: Financial Difficulties with the Current System
Tammy Eisenbraun
Faculty Advisor: Daniel J. Van Dussen
- 9:00 - 9:15 Age Discrimination in Employment: A Step Toward Change
Kaila Becker
Faculty Advisor: Daniel J. Van Dussen
- 9:15 - 9:30 A Policy Analysis Addressing Elder Abuse Reporting, Investigation, and Awareness
Pamela Falkenberg
Faculty Advisor: Daniel J. Van Dussen
- 9:30 - 9:45 A Policy Analysis on the Special Delivery Program, Facilitated by the Library of
Matt Lisovitch
Faculty Advisor: Daniel J. Van Dussen
- 9:45 - 10:00 Examining Current American with Disabilities Act Legislation for Service Animals
Krystal Culler
Faculty Advisor: Daniel J. Van Dussen

MORNING SESSION II 10:30 – 12:00

BRESNAHAN SUITE – ENGLISH AND LITERATURE

Session Moderator: Dr. Melissa Smith, Foreign Languages and Literatures

- 10:45 - 11:00 The Way the World Ends: The Manifestation of the Apocalypse in Literature and Po
Jay Beane
Faculty Advisor: Corey E. Andrews
- 11:00 - 11:15 Annotations on Student Texts: An Analysis of Traditional and Electronic Comments
Way Jeng and Jolene Stieb
Faculty Advisor: Kevin E. Ball
- 11:15 - 11:30 Loss of Innocence: A New Theme in Young Adult Literature?
Jacklynn Ridzon
Faculty Advisor: Rebecca A. Barnhouse
- 11:30 - 11:45 Cross-Cultural Study of Depression and its Manifestation in College Age Women
Christie Vogel
Faculty Advisor: Melissa Smith

COFFELT ROOM – COMPUTER SCIENCE AND INFORMATION SYSTEMS

Session Moderator: Dr. Alina Lazar, Computer Science and Information Systems

- 10:30 - 10:45 Implementing Decision Tree In SQL Server And Rapid Miner For Predictive Analysis
Fahad Bijle
Faculty Advisor: Alina Lazar
- 10:45 - 11:00 Simulated C-E Analysis of Caring for a Subset of Brained Injured Patients
Kimbroe Carter
Faculty Advisor: Alina Lazar
- 11:00 - 11:15 The Psychology of a Web Search Engine
Antoine Ogbonna
Faculty Advisor: Alina Lazar
- 11:15 - 11:30 To Calculate the Error Rates Using Naive-Bayes, ID3 and C4.5
Sunitha Sajja
Faculty Advisor: Alina Lazar
- 11:30 - 11:45 Twitter - An Instant Source of Customer Feedback
Jeremy Winters
Faculty Advisor: Alina Lazar
- 11:45 - 12:00 www Image Search Using Hierarchical Clustering
Priyanka Reddy Gangam and Jai Majeti
Faculty Advisor: Alina Lazar

HUMPHREY ROOM – COMMUNICATIONS AND POLITICAL SCIENCE

Session Moderator: Rebeca Lukasiewicz-Curnalia, Communication

- 10:30 - 10:45 Should College Athletes be Paid?
Nhemie Theodore
Faculty Advisor: Rebecca M. Lukasiewicz-Curnalia
- 10:45 - 11:00 Hope Amidst All Hell: The Analysis of the 44th Inaugural Address
Lori Mahone and Velissa Vaughn
Faculty Advisor: Rebecca M. Lukasiewicz-Curnalia
- 11:00 - 11:15 The Uncoordinated Campaign: How Party and Candidate Have Become Strangers
Sarah Lewis
Faculty Advisor: William C. Binning
- 11:15 - 11:30 Sitcom Analysis of The Office
Justin Edwards
Faculty Advisor: Rebecca M. Lukasiewicz-Curnalia

JAMES GALLERY – ENGINEERING MULTIDISCIPLINARY SESSION

Session Moderator: Michael Costarell, Mechanical and Engineering Technology and Dr. Shawn Kim, Mechanical and Industrial Engineering

- 10:30 - 10:45 Energy Saving at Youngstown State University
Michelle Tamayo
Faculty Advisor: Michael D. Costarell
- 10:45 - 11:00 Energy Saving Techniques for HVAC Systems
Joseph Nigro
Faculty Advisor: Michael D. Costarell
- 11:00 - 11:15 Computer Controlled Feedback System for Analysis of Spinal Stiffness
Andrew Emig and Andrew McCain
Faculty Advisor: Jalal Jalali
- 11:15 - 11:30 RF Controlled Locomotive Tester
Amy Dattilio, Michael Duffy, Matt Johns and Ryan Walsh
Faculty Advisor: Jalal Jalali
- 11:30 - 11:45 Research on Vehicle Fuel Consumption and Methods of Improvement
Megan Genuske, Jason Lisko, Jeff Michael and Adam Wolfgang
Faculty Advisor: Shawn Kim

JONES ROOM – SPECIAL SESSION: RESEARCH ON SAN SALVADOR, BAHAMAS

Session Moderators: Dr. Ronald V. Shaklee, Geography and
Dr. Shane V. Smith, Geological & Environmental Sciences

- 10:30 - 10:45 Assessment of the Hurricane Frances Tidal Surge on San Salvador, Bahamas
Louis Infante and Jason Langer
Faculty Advisor: Jeffrey C. Dick
- 10:45 - 11:00 Bahamian Beach Excavation
Ryan Halicki, Tracey Roscoe and Sarah Roscoe
Faculty Advisor: Ronald V. Shaklee
- 11:00 - 11:15 Changing Shoreline Sedimentation at Sandy Point, San Salvador
Jessica Giblin, Michael Nycz and Megan Ruess
Faculty Advisors: Jeffrey C. Dick and Shane V. Smith
- 11:15 - 11:30 Excavation & Research of Storr's Lake Archaeological Site, San Salvador Island
Sarah Kourian, Ronald Madeline and Arielle Mincher
Faculty Advisor: Ronald V. Shaklee
- 11:30 - 11:45 Geocaching in San Salvador: A New Approach to Teaching Geoscience Subjects
Amanda Polles, Seth Sarty and Dana Vlock
Faculty Advisors: Jeffrey C. Dick and Shane V. Smith

OHIO ROOM – POSTER SESSION II: BIOLOGICAL SCIENCE, ENVIRONMENTAL SCIENCE AND COMPUTER SCIENCE (CSIS)

Session Moderators: Dr. David K. Asch and Dr. Diana L. Fagan, Biological Sci.

- 10:30 - 12:00 Two-dimensional Gel Electrophoresis Protein Comparison from Neurospora crassa
Katie Allen
Faculty Advisor: David K. Asch
- 10:30 - 12:00 Transposons Mutagenesis of Multimetal Resistance strain, Enterobacter cloacae of
Nadia Badar
Faculty Advisor: Jonathan J. Caguiat
- 10:30 - 12:00 Decorin Interaction with Left Ventricular Myocyte Collagen: Investigation of Ext
Andrew Brown
Faculty Advisor: Johanna Krontiris-Litowitz
- 10:30 - 12:00 Composition of Canyon-Slope Woodlands in Zoar Valley, Western New York, as Assoc
Richard Catterlin
Faculty Advisor: Thomas P. Diggins
- 10:30 - 12:00 Analysis of Trace Metals in Youngstown Community Garden Soils
Tammy Cricks
Faculty Advisor: Felicia P. Armstrong
- 10:30 - 12:00 Kinetics of Expression of the Quinic Acid (qa) Gene Cluster in Neurospora crassa
Melissa Fleeger
Faculty Advisor: David K. Asch
- 10:30 - 12:00 Partial Sequence of a Selenite Resistance Determinant in Enterobacter cloacae
Hillary Howard
Faculty Advisor: Jonathan J. Caguiat
- 10:30 - 12:00 Morphological Mutants of the Dimorphic Fungus Penicillium marneffeii Generated by
Akummasook Kummasook
Faculty Advisor: Chester R. Cooper Jr.

OHIO ROOM – POSTER SESSION II: BIOLOGICAL SCIENCE, ENVIRONMENTAL SCIENCE AND COMPUTER SCIENCE (CSIS) CONTINUED

- 10:30 - 12:00 The Ability of Mesenchymal Stem Cells to Attach to Mesh Material Used in Hernia
Melissa Lydic
Faculty Advisor: Diana L. Fagan
- 10:30 - 12:00 Tipping Point Evaluation of a Network Intrusion Detection System (NIDS) for Peer
Adam Magana
Faculty Advisor: Graciela Perera
- 10:30 - 12:00 Analysis of Purified Staphylococcus aureus Capsular Polysaccharide Via Monoclonal Antibodies and Nuclear Magnetic Spectroscopy
Ravonne Maxon
Faculty Advisor: Diana L. Fagan
- 10:30 - 12:00 Gaining Information Through Collaborating Filtering
Donald Piccirillo
Faculty Advisor: Alina Lazar
- 10:30 - 12:00 Phylogenetic Analysis of The Bacterium Klebsiella pneumoniae by sequence data fr
Eric Price
Faculty Advisor: Chester R. Cooper Jr.
- 10:30 - 12:00 The Inhibition of Staphylococcus aureus Capsule Production by TC-I-019
Thomas Rudnicki
Faculty Advisor: Diana L. Fagan
- 10:30 - 12:00 Use of neurotoxin 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine(MPTP) as a good m
Nitin Sood
Faculty Advisor: Johanna Krontiris-Litowitz
- 10:30 - 12:00 Quantitation of Ventricular Collagen in Male and Female Spontaneously Hypertensive Rats Using Hyd
Lisa Tofil
Faculty Advisor: Johanna Krontiris-Litowitz
- 10:30 - 12:00 Stages of Change
Rathna Veeramachaneni
Faculty Advisor: David K. Asch
- 10:30 - 12:00 Generation of Mutants in the Pathogenic Fungus, Penicillium marneffeii.
Ashley Whitfield
Faculty Advisor: Chester R. Cooper Jr.

PUGSLEY ROOM – MULTIDISCIPLINARY SESSION: PSYCHOLOGY, SOCIOLOGY, NURSING, AND CRIMINAL JUSTICE

Session Moderators: Dr. Margaret Gittis, Psychology and
Dr. Tammy Callihan King, Criminal Justice

- 10:30 - 10:45 Internalizing Ethics: An Innovative Approach to Moral Education
Bethany Matthews
Faculty Advisor: Deborah S. Mower
- 10:45 - 11:00 Current Views on Married versus Cohabiting Couples
Christa Homlitas
Faculty Advisor: Margaret M. Gittis
- 11:00 - 11:15 Effects of Stress on Visuospatial and Verbal Memory
Lisa Ferrando
Faculty Advisor: Margaret M. Gittis
- 11:15 - 11:30 Stereotype Threat Amongst Gender and Occupation For Women
Adrienne Hudak
Faculty Advisor: Margaret M. Gittis
- 11:30 - 11:45 It's Not Men, It's Them, The Other
Ben Roberts
Faculty Advisor: Monica Purich
- 11:45 - 12:00 Treating AD/HD in an Effort to Decrease Delinquency
Kelly Melvin
Faculty Advisor: Tammy Callihan King

AFTERNOON SESSION I 1:30 – 3:00

BRESNAHAN SUITE – ENGLISH AND LITERATURE

Session Moderator: Dr. Barbara Nykiel-Herbert, English

- 13:30 -13:45 When The Lights Go On: A study of intimate discourse between law enforcement and civilians
Nichole Cannon
Faculty Advisor: Steven R. Brown
- 13:45 - 14:00 Afterwards and Other Poems
Caitlyn Ryan
Faculty Advisor: William H. Greeway
- 14:00 - 14:15 Compliments and Cultural Values
Britta Snowberger
Faculty Advisor: Barbara Nykiel-Herbert
- 14:15 - 14:30 He Said, She Said: A Study of Gender Role in Compliments and Responses
Shannon Hodge
Faculty Advisor: Barbara Nykiel-Herbert
- 14:30 - 14:45 Profile of a Language Learner at YSU
Susan Bishop and Nikki Cannon
Faculty Advisor: Barbara Nykiel-Herbert

COFFELT ROOM – PHYSICS AND ASTRONOMY

Session Moderators: Dr. John Feldmeier and Dr. Tom Oder,
Physics and Astronomy

- 13:30 - 13:45 Deconvolution of True Bremsstrahlung Spectra From Measured Spectra
Trevor Balint
Faculty Advisor: James J. Carroll
- 13:45 - 14:00 Experimental System to Search for Induced Depletion of 166m Ho
Ben Detwiler
Faculty Advisor: James J. Carroll
- 14:00 - 14:15 Tests of Different Detection Approaches for Induced Depletion of 108mAg
Isaac Mills
Faculty Advisor: James J. Carroll
- 14:15 - 14:30 (2) Variable Temperature Electrical Characterization
James Aldridge
Faculty Advisor: Tom N. Oder
- 14:30 - 14:45 Improved n-type 4H-SiC Schottky Barrier Diodes Using Metal Boride Contacts
Rani S Kummari
Faculty Advisor: Tom N. Oder
- 14:45 - 15:00 Ohmic Contacts to p-type GaN using Refractory Metal Borides
Andrew Smith
Faculty Advisor: Tom N. Oder

HUMPHREY ROOM – HISTORY, GEOGRAPHY AND INTERNATIONAL STUDIES

Session Moderators: Dr. Craig Campbell and Dr. William Buckler, Geography

- 13:30 – 13:45 Russian America: Russia's Approach to Alaska
James J. Taylor
Faculty Advisor: Craig Campbell
- 13:45 – 14:00 Study Abroad in Aix-En-Provence, France
Steven Cunningham and Karen Woolstrum
Faculty Advisor: Herv M. Corb
- 14:00 – 14:15 The Royale Architecture of Louis XIV of 17th Century France
Monica Mastran-Czopor
Faculty Advisor: Anne York
- 14:15 – 14:30 Removing Female Body Hair: Answering the Mystery of the Arduous Chore
Jeffrey Moliterno
Faculty Advisor: Eleanor A. Congdon
- 14:30 – 14:45 The Effects of the Ural Mountains on the Climate of the former Soviet Union
James Taylor
Faculty Advisor: William Buckler

JAMES GALLERY – MECHANICAL AND INDUSTRIAL ENGINEERING

Session Moderator: Dr. Elvin B. Shields, Mechanical and Industrial Engineering

- 13:30 - 13:45 Analysis of Structural Components for a Heavy Crane Operator's Chair
Mathew Citarella and Matthew Ridzon
Faculty Advisor: Elvin B. Shields
- 13:45 - 14:00 Design of Mechanical Systems for a Heavy Crane Operator's Chair
Nicholas Durse, Christopher Miller and William Purnell
Faculty Advisor: Elvin B. Shields
- 14:00 - 14:15 Friction Testing Unit Design for Automotive Applications
Jason Corman, Joseph Pietromonaco and Douglas Wajda
Faculty Advisor: Elvin B. Shields
- 14:15 - 14:30 Power Generation by a Magnetically Coupled Wave Generator
Chelsye Castle, Brad McCullough and Michael Yatsco
Faculty Advisor: Elvin B. Shields
- 14:30 - 14:45 The Engineering of a V-8 Antique Tractor for Competetive Pulling
Farrell Belknap, Patrick Coleman, Justin Kopelos and Bryan Parsons
Faculty Advisor: Elvin B. Shields
- 14:45 - 15:00 The NASA Great Moonbuggy Race
Michael Long, Amy Melchert, Kevin Turner and Daniel Vernon
Faculty Advisor: Elvin B. Shields

JONES ROOM – APPLIED ENVIRONMENTAL SCIENCE

Session Moderators: Dr. Felicia Armstrong, Geological and Environmental Sci.
and Dr. Douglas Price, Chemical Engineering

- 13:30 - 13:45 Heavy Metal Concentrations in the Floodplains of the Mahoning River
Shannon Doherty
Faculty Advisor: Felicia P. Armstrong
- 13:45 - 14:00 The Examination of Soluble Nitrate, Phosphate and Coliform for Assessment of Water
Darla Moore
Faculty Advisor: Felicia P. Armstrong
- 14:00 - 14:15 Prospects of Biodiesel from Algae in the United States.
Kenneth Zame
Faculty Advisor: Douglas M. Price
- 14:15 - 14:30 Butanol Fermentation using Clostridium beijerinckii ATCC 35702
Snezana Aleksic
Faculty Advisor: Douglas M. Price and Gary Walker
- 14:30 - 14:45 Recycling Plastics: The Fates of Differing Plastic Polymers
Kristin Johnson and Brooke Katzman
Faculty Advisor: Nina Stourman
- 14:45 - 15:00 Spatial and Temporal Dependant Shifts In Grassland Invasibility
Erin Pfeil, B.T. Sinn, B.J. Ciccone, and J.A. Saborse
Faculty Advisor: Ian J. Renne

OHIO ROOM – POSTER SESSION III: CHEMISTRY, ALLIED HEALTH, HEALTH PROFESSIONS, NURSING AND EDUCATION

Session Moderators: Dr. Peter Norris and Dr. Brian Leskiw, Chemistry

- 13:30 - 15:00 A National Survey of Occupational Attire in Clinical Dietetics
Kristin Scott
Faculty Advisor: Rachael Pohle-Krauza
- 13:30 - 15:00 A Transcultural Nursing Experience in San Quintin, Mexico
Anna Bacisin, Rebecca Basista, Traci Brkich, Bianca Catrucco, Amanda Grenga, Christine Hulvalchick and Robert Mayle
Faculty Advisor: Nancy Wagner
- 13:30 - 15:00 Conformational Analysis Using ChemBioOffice®
Danielle Bozek Bozek, Daniel DeChellis, Andrew Emig, Christopher Farmakis, Andrew McCain and Amy Olszewski
Faculty Advisor: Peter Norris
- 13:30 - 15:00 Cyber-Instrumentation for Predominantly Undergraduate Institutions (PUIS)
Joelle Wells
Faculty Advisor: Allen D. Hunter
- 13:30 - 15:00 Design of Affinity Matrix with Gluthathionylspermidine
Nikita Goswami, Ashley Ruozzo and Janelle Russell
Faculty Advisor: Nina Stourman
- 13:30 - 15:00 Determination of Selenium Using Hydride Generation Atomic Emission Spectroscopy
Latresa Williamson
Faculty Advisor: Josef B. Simeonsson
- 13:30 - 15:00 Different Carrying Positions of Portable Oxygen Containers: A Pilot Study
Timothy Capp
Faculty Advisors: M. McCarroll, R. Pohle-Krauza, M. Krauza, and T. Volsko

**OHIO ROOM – POSTER SESSION III: CHEMISTRY, ALLIED HEALTH,
HEALTH PROFESSIONS, NURSING AND EDUCATION CONT'D**

- 13:30 - 15:00 Gas Phase Exchange Reactions of Transition Metal β -diketonate Complexes
Gerald Hunter
Faculty Advisor: Brian D. Leskiw
- 13:30 - 15:00 Health Beliefs vs. Health Practices in the Youngstown Warren Area
Meagan Cunningham, Amy Fluent, Wendy Shone and Jannette Wright
Faculty Advisor: Dorcas Fitzgerald
- 13:30 - 15:00 NMR Spectroscopic Analysis Using ChemBioDraw®
Jennifer Backo, Emilie Hall, Hillary Howard, Emma Lang, David Nash and Jesse Wince
Faculty Advisor: Peter Norris
- 13:30 - 15:00 NMR Spectroscopic Analysis Versus ChemBioDraw®
Joshua Bartlett, Kyle Comeau, Lindsay Drotar Drotar, Jessica Marstellar and Zachary Rodgers
Faculty Advisor: Peter Norris
- 13:30 - 15:00 One-pot Approach to 1,2,3-Triazoles Using In Situ Generated Azide Anion
Justin Campbell, Krista Cunningham, Kristin Johnson, Paula Politis and Daniel Temelkoff
Faculty Advisor: Peter Norris
- 13:30 - 15:00 Probiotics Knowledge 2009
Cassandra Cherwin, Lynann Colella, Shane Morlan and Cheryl Morris
Faculty Advisor: Zara C. Rowlands
- 13:30 - 15:00 Purification and Characterization of Synthetic Vpr
Anubhav Vinayak
Faculty Advisor: Ganesaratnam Balendiran
- 13:30 - 15:00 Quantification of Glutathione and Its Conjugate in E.coli Under Various Growth C
Rathna Veeramachaneni
Faculty Advisor: Nina Stourman
- 13:30 - 15:00 Site Specific Oxidation and Protein Structure: mutant HEWL studies..
Eric Mensah
Faculty Advisor: Micael A. Serra
- 13:30 - 15:00 Stages of Change
Mark Gallot
Faculty Advisor: Jake J. Protivnak
- 13:30 - 15:00 The Effects of Exercise Training and Airway Clearance Treatments (ACT) on Chronic
JD Sheppard
Faculty Advisor: M. McCarroll, R. Pohle-Krauza, M. Krauza, and T. Volsko
- 13:30 - 15:00 Why Does My Wine Taste Like a Bug?
Sherri Claypoole
Faculty Advisor: Brian D. Leskiw

PUGSLEY ROOM – GERONTOLOGY AND SOCIOLOGY

Session Moderator: Dr. Daniel J. Van Dussen, Sociology and Anthropology

- 13:30 - 13:45 An Assessment of the Need for Senior Service and Programs in Mahoning County
Julie Ludiciani
Faculty Advisor: Daniel J. Van Dussen
- 13:45 - 14:00 Attitudes Towards Social Security: An Examination of Intergenerational Equity, a
Matt Lisovitch
Faculty Advisor: Daniel J. Van Dussen
- 14:00 - 14:15 Family Concerns for Adult Children with Autism
Krystal Culler
Faculty Advisor: Daniel J. Van Dussen
- 14:15 - 14:30 Tuition Free Education at State Universities for Senior Citizens Policy Analysis
Kevin Gibson
Faculty Advisor: Daniel J. Van Dussen

ROOM 2068 – SUMMER ART IN CHINA

Session Moderator: Dr. George E. McCloud

- 13:45 - 14:00 Summer Art in China, 2008
Arica Angelo, Benjamin Chell, Nina Stanislav and Shaunda Yancey
Faculty Advisor: George McCloud
- 14:00 - 14:15 Summer Art in China, 2008
Sarah Cammarata and Courtlynne Peterson
Faculty Advisor: George McCloud
- 14:30 - 14:45 Summer Art in China, 2008
Anthony Angnardo and Jennifer Ramsey
Faculty Advisor: George McCloud

AFTERNOON SESSION II 3:30 – 5:00

BRESNAHAN SUITE – ENGLISH, LINGUISTICS, LITERATURE AND PROFESSIONAL WRITING AND EDITING

Session Moderators: Dr. Stephen R. Brown and Cynthia Vigliotti, English

- 15:30 - 15:45 Trolling for Data with an Online Advice Column
Gary Davenport
Faculty Advisor: Mehera Gerardo
- 15:45 - 16:00 Face-Work on Facebook: Intimate Conversations in a Public Space
Sarah Lowry
Faculty Advisor: Cynthia Vigliotti
- 16:00 - 16:15 She Got It: A Study of HipHop Slang
Tracilyn Tsarnas
Faculty Advisor: Cynthia Vigliotti
- 16:15 - 16:30 Understanding the Linguistics of "Country Grammar": A Discussion of Hip-Hop Lin
Trillion McCarty
Faculty Advisor: Cynthia Vigliotti
- 16:30 - 16:45 So, Seriously, Dude?
Cherise Benton
Faculty Advisor: Steven R. Brown

COFFELT ROOM – BUSINESS MANAGEMENT AND ACCOUNTING

Session Moderator: Dr. Birsen Karpak, Management

- 15:30 - 15:45 Computer Simulations: Effective Tools in Teaching Microeconomics?
Kathleen Kennedy
Faculty Advisor: Jolien A. Helsel
- 15:45 - 16:00 Istanbul Study Tour: A Strategic Model for Yeditepe University
Jaime Kudary
Faculty Advisor: Birsen Karpak
- 16:00 - 16:15 Reflections of a Catholic Boy's First Visit to a Moslem Nation : Does the
Anthony Angnardo
Faculty Advisor: Birsen Karpak
- 16:15 - 16:30 Mind The Gap 2009
Kelly Chaffee, Donna Hardick, Breanne Romeo, Tiffany Sokol and
Jessica Wittenauer
Faculty Advisor: Larry A. Zielke

JONES ROOM – HUMAN ECOLOGY AND EDUCATION

Session Moderators: Dr. Zara Shah-Rowlands, Human Ecology and
Dr. Regina Rees, Teacher Education

- 15:30 - 15:45 Nutrition Genomics
Amanda Thompson
Faculty Advisor: Zara Shah- Rowlands
- 15:45 - 16:00 Protein Consumption Among Collegiate Students
Maria Deem, Tim Dewberry, Kara Johnson, Lauren Kocher, Stacy Koerth
and Lora Werkmeister
Faculty Advisor: Zara Shah- Rowlands
- 16:00 - 16:15 Laboratory Indices of Nutritional Status in Baritatric Patients are Modulated b
Nina Pannoni
Faculty Advisor: Rachael Pohle-Krauza
- 16:15 - 16:30 Weight-loss Outcomes in Laparoscopic Bariatric Surgery Patients (Roux-en-Y
Gastr
Chad Pringle
Faculty Advisor: Rachael Pohle-Krauza
- 16:30 - 16:45 Diabesity: Prevention of Future Risks
Susan Manfrass
Faculty Advisor: Regina Rees

OHIO ROOM – POSTER SESSION IV: INTERDISCIPLINAY ENGINEERING AND OHIO FIRST SCHOLARS

Session Moderators: Dr. Martin Cala, Industrial Engineering and
Kin P. Moy, Electrical Engineering Technology

- 15:30 - 17:00 Analysis of Structure Using Symbolic Mathematics
Amar Shukla
Faculty Advisor: Javed Alam
- 15:30 - 17:00 Application of Laplace Transform to Determine Time Domain Transients and
Steady
Douglas Patrick and Robert Ragan
Faculty Advisor: Kin Ping Moy
- 15:30 - 17:00 Beam Deflection
Cory Vesey
Faculty Advisor: Michael D. Costarell
- 15:30 - 17:00 Electricity Producing Wind Turbine
Freddy Henin, Zach Pethtel and Aaron Severa
Faculty Advisor: Jalal Jalali
- 15:30 - 17:00 Generating Electricity Using Hydro Power
Noah Fillian, Dustin Helle and Matthew Shambaugh
Faculty Advisor: Jalal Jalali
- 15:30 - 17:00 Get Fresh: A Mathematical Model of a Desalination Machine
Adam Bondor, Jennifer Moy and Caleb Tatebe
Faculty Advisor: Padraic W. Taylor
- 15:30 - 17:00 Implementing the use of ALTERA Cyclone III FPGA technology into Game
Design
Leonard Cain, Travis Cook, Anthony DeGeorge and Hamza Rahman
Faculty Advisor: Jalal Jalali

OHIO ROOM – POSTER SESSION IV: INTERDISCIPLINAY ENGINEERING AND OHIO FIRST SCHOLARS

- 15:30 - 17:00 Low Pass Filter Analysis Utilizing Various Software Packages
Edward Burden and Stephen Moy
Faculty Advisor: Kin Ping Moy
- 15:30 - 17:00 Northern States Metals (Punch L-Brackets)
Matt Billock and Daniel Kremin
Faculty Advisor: Martin Cala
- 15:30 - 17:00 Productivity and Work Design of the Industrial Process at Northern States Metals
Jessica Cole and Kathryn Rogner
Faculty Advisor: Martin Cala
- 15:30 - 17:00 Properties and Strength of Materials: Lab Manual
Desiree McInnis
Faculty Advisor: Carol M. Lamb
- 15:30 - 17:00 Prototypical Design of a Power and Control System for an Electric Vehicle
Joseph Ashburn, Amanda Campbell, Diego Cerzosimo, Nicholas McKinney and Jason Stan
Faculty Advisor: Jalal Jalali
- 15:30 - 17:00 Radio Interferometer Telescope
Marc Brenner, Daniel Nemergut, Brennan Vazquez and Sean Welton
Faculty Advisor: Jalal Jalali
- 15:30 - 17:00 The Future Of Renewable Wind Energy Industry And Its Impact For Ohio
Adnan Buxamusa
Faculty Advisor: Javed Alam
- 15:30 - 17:00 The Scanning Electron Microscope: Effects of Sample Preparation on Resulting
Alberto Miranda
Faculty Advisor: Cynthia Hirtzel
- 15:30 - 17:00 Time Study Analysis of a Packaging Process at Northern States Metal
Joseph Foor and Matt Slavic
Faculty Advisor: Martin Cala
- 15:30 - 17:00 Time Study Analysis of L-Bracket Cutting Process at Northern States Metals
Melissa Airhart and Matthew DeChellis
Faculty Advisor: Martin Cala
- 15:30 - 17:00 Time Study on L Bracket Punching at Northern States Metals
Jamar Oliver and Bhaskar Reddy
Faculty Advisor: Martin Cala
- 15:30 - 17:00 Time Study Productivity at Northern States Metals
Rick Engelhardt and Ates Gumus
Faculty Advisor: Martin Cala
- 15:30 - 17:00 Whiplash Injuries in Relation to Force and Energy
Deanna Dailey, Pam Galioto and Dawn Helterbran
Faculty Advisor: James Andrews