QUEST 2007: A FORUM FOR STUDENT SCHOLARSHIP PROGRAM SCHEDULE

MORNING SESSION I: 8:30 – 10:00

COFFELT ROOM PSYCHOLOGY

JAMES GALLERY MECHANICAL AND INDUSTRIAL ENGINEERING

JONES ROOM PHYSICS AND ASTRONOMY

OHIO ROOM POSTER SESSION I: BIOLOGICAL SCIENCES

MORNING SESSION II: 10:30 – 12:00

BRESNAHAN I ROOM ENGINEERING AND TECHNOLOGY

BRESNAHAN II ROOM PSYCHOLOGY

COFFELT ROOM COMPUTER SCIENCE

HUMPHREY ROOM SOCIOLOGY AND POLITICAL SCIENCE

JAMES GALLERY MECHANICAL AND INDUSTRIAL ENGINEERING JONES ROOM RESEARCH ON SAN SALVADOR, THE BAHAMAS

OHIO ROOM POSTER SESSION II: CHEMISTRY, PHYSICS, AND BIOLOGY

PUGSLEY ROOM DANA SCHOOL OF MUSIC

CHESTNUT ROOM QUEST STUDENT AND FACULTY LUNCHEON 12:00 – 1:15

AFTERNOON SESSION I: 1:30 - 3:00

BRESNAHAN I ROOM MATHEMATICS AND STATISTICS

BRESNAHAN II ROOM HEALTH PROFESSIONS

COFFELT ROOM GEOGRAPHY, CHEMISTRY, AND BIOLOGY

HUMPHREY ROOM TEACHER EDUCATION

JAMES GALLERY MECHANICAL AND INDUSTRIAL ENGINEERING

JONES ROOM HISTORY

OHIO ROOM POSTER SESSION III: SCIENCE AND TECHNOLOGY

OHIO ROOM SIGMA XI FACULTY RESEARCH POSTERS

AFTERNOON SESSION II: 3:30 - 5:00

BRESNAHAN I ROOM ENGLISH AND ART

COFFELT ROOM BUSINESS, ACCOUNTING, AND MANAGEMENT

HUMPHREY ROOM CRIMINAL JUSTICE

JAMES GALLERY ELECTRICAL AND COMPUTER ENGINEERING
JONES ROOM HUMAN ECOLOGY AND PHYSICAL THERAPY
OHIO ROOM POSTER SESSION IV: MULTIDICIPLINARY SESSION

PUGSLEY ROOM ART EXHIBITION

MORNING SESSION I: 8:30 – 10:00

COFFELT ROOM - PSYCHOLOGY

Session Moderators: Dr. Karen M. Giorgetti and Dr. Steve Ellyson

8:30 - 8:45	Body Art Becoming Habitual Stimuli Stephanie Sarrach
	Faculty Advisor: Dr. Beverly Ann Gray
8:45 - 9:00	My Last Scent: Effects of Background Scents on Behavior and Cognition
	Anthony Hurt
	Faculty Advisor: Dr. Karen M. Giorgetti
9:00 - 9:15	Personality and Social Attitudes
	Coletta Mace
	Faculty Advisor: Dr. Sharon Stringer
9:15 - 9:30	The Effects of Background Noise on Memorization
	Molly Dunn
	Faculty Advisor: Dr. Steve L. Ellyson
9:30 - 9:45	The Judgement Study
	Merissa Durda
	Faculty Advisor: Dr. Steve L. Ellyson

JAMES GALLERY - MECHANICAL AND INDUSTRIAL ENGINEERING

Session Moderators: Dr. Elvin Shields and Dr. Cynthia Hirtzel

8:30 - 8:45	Axial Jack for Shield System
	Mandy Pavlicko, KC Schneider, Jeremy Minor, and Greg Mathes
	Faculty Advisor: Dr. Elvin B. Shields
8:45 - 9:00	Characterization of Ceramic-Metal Interpenetrating Phase Composites
	Ryan Paul
	Faculty Advisor: Dr. Cynthia Hirtzel
9:00 - 9:15	Collapsible Spreader Bar for Trenching (Project Orange)
	Matt Citarella, Charles Marino, Phil Carlon, and Jason Jones
	Faculty Advisor: Dr. Elvin B. Shields
9:15 - 9:30	Design and Installation of a Dumbwaiter into a Two-Story Restaurant
	Ryan Jewell, Justin Mercer, and Anthony Musolino
	Faculty Advisor: Dr. Elvin B. Shields
9:30 - 9:45	Design of a Water-Glycol Exchanger for a Hydronic Heating System
	Carrie Bailey, Pete Verostko, and Paul Wilbrink
	Faculty Advisor: Dr. Elvin B. Shields
9:45 - 10:00	Hinged Release System
	Ben DeMar, Shannon Parker, Michael T Fox, and Liz Waugh
	Faculty Advisor: Dr. Elvin B. Shields

JONES ROOM - PHYSICS AND ASTRONOMY

Session Moderators: Dr. James J. Carroll and Dr. Michael Crescimanno

8:30 - 8:45	A Linux-Based Time Interval Counter for Precision Frequency Comparisons Jessica Shipman
	Faculty Advisor: Dr. Michael J. Crescimanno
8:45 - 9:00	Evaluation of Low Stress Crystal Oscillator Stability
	John Hoffman
	Faculty Advisor: Dr. Michael J. Crescimanno
9:00 - 9:15	PID Thermal Control
	Brandon Latronica
	Faculty Advisor: Dr. Michael J. Crescimanno
9:15 - 9:30	Real Time Physics Simulation
	Nathaniel Caldwell
	Faculty Advisor: Dr. Gregg W. Sturrus
9:30 - 9:45	Search for Rare Decay Branches of 177mLu with the TRIUMF 8pi Detector
	Sean Ludt, Stephanie McCann, and Steve Smyczynski
	Faculty Advisor: Dr. James J. Carroll
9:45 - 10:00	Symmetries and the Damped Kepler Problem
	Brian Hamilton
	Faculty Advisor: Dr. Michael J. Crescimanno
10:00 - 10:15	Theory and Design of an Energy-release Experiment on Silver-108
	Carroll, Dr James J.
	Faculty Advisor: Dr. James J. Carroll

OHIO ROOM - POSTER SESSION I: BIOLOGICAL SCIENCES

Session Moderators: Dr. Jonathan Caguiat and Dr. Thomas Diggins

8:30 - 10:00	Alternative Treatment for Staphylococcus aureus Maurice Royal
	Faculty Advisor: Dr. Diana L. Fagan
8:30 - 10:00	Androgenic Regulation of Cavernosal Smooth Muscle Relaxation in the Rat
	Andrew J. Rice
	Faculty Advisor: Dr. Robert E. Leipheimer
8:30 - 10:00	Assessing the Quality of Reporting Methods in the Primary Literature
	Anna Grzebieniak
	Faculty Advisor: Dr. Jill M. Gifford
8:30 - 10:00	Characterization of Inetraction Between Rehydration Buffer and Bradford
	Reagent
	Asra Arif
	Faculty Advisor: Dr. Johanna Krontiris-Litowitz
8:30 - 10:00	DNA Analysis of Stenotrophomonas maltophilia, a Bacterial Strain from
	Oak Ridge
	Sithari Edirisooriya
	Faculty Advisor: Dr. Jonathan J. Caguiat
8:30 - 10:00	Ecological Influences on Stream Community Composition in
	Zoar Valley, NY.
	April M. Newman
	Faculty Advisor: Dr. Thomas P. Diggins
8:30 - 10:00	Estrogen Modulation of Dopamine Transporter Activity in the
	Corpus Striatum
	Dawn Amolsch
	Faculty Advisor: Dr. Robert E. Leipheimer

OHIO ROOM - POSTER SESSION I: BIOLOGICAL SCIENCES - continued

0.00 40.00	Falls the Alexandra Attle Occupations In ID Occupations
8:30 - 10:00	Following Alcohol to Azide Conversions by IR Spectroscopy
	Robert Steffy
0.00 40.00	Faculty Advisor: Dr. Peter Norris
8:30 - 10:00	Identification of a Cell Size Regulator in the Proteome of
	Penicillium marneffei
	Joseph A. Dikun, David Hamer, and Jaclyn Morris
0.00 40.00	Faculty Advisor: Dr. Gary R. Walker
8:30 - 10:00	Identification of a Potential Selenite Resistance Gene in
	E. coli strain HB101
	Frank Heinselman
0.00 40.00	Faculty Advisor: Dr. Jonathan J. Caguiat
8:30 - 10:00	Micro Assay for Testing of AB-5-89
	Michelle L. Blower
0.00 40.00	Faculty Advisor: Dr. Diana L. Fagan
8:30 - 10:00	Pilot Study of the Effects of Partial Sciatic Nerve Ligation on
	Recovery in Rats
	Kevin Corman
0.00 40.00	Faculty Advisor: Dr. Jill M. Gifford
8:30 - 10:00	Protein Variations in Castor Seeds
	Debbie Smith
0.20 10.00	Faculty Advisor: Dr. Daryl W. Mincey
8:30 - 10:00	Proteomic Profiling of S. maltophilia ORO2; A Selenite Resistant Bacterium
	Ashley Nicole Jasenec
8:30 - 10:00	Faculty Advisor: Dr. Jonathan J. Caguiat
6.30 - 10.00	Proteomic Studies of A Selenite Resistant Strain of Ecoli Cherise Benton
	Faculty Advisor: Dr. Jonathan J. Caguiat
8:30 - 10:00	Pteridophyte Assemblage Composition and Richness as a
0.30 - 10.00	Reflection of Woodland Mat
	Brandon T. Sinn and Erin Pfeil
	Faculty Advisor: Professor Carl F. Chuey and Dr. Thomas P. Diggins
8:30 - 10:00	Screening of Metal-Resistant Bacterial Isolates from Poplar Creek in
0.30 - 10.00	Oak Ridge,
	Christine Franz
	Faculty Advisor: Dr. Jonathan J. Caguiat
8:30 - 10:00	The Anti-Epileptic Drug Retigabine and its Effects on Neuronal
0.00 10.00	Hyperexcitability
	Amanpreet Kaur
	Faculty Advisor: Dr. Mark D. Womble
8:30 - 10:00	The Effects of Environmental Variables on Inflammation-Induced
0.00 10.00	Nociception
	Asleigh Glass
	Faculty Advisor: Dr. Jill M. Gifford
8:30 - 10:00	Transposon Mutagenesis of the Multi-metal Resistant
	Bacterium S. maltophilia ORO
	Danielle DeChant
	Faculty Advisor: Dr. Jonathan J. Caguiat
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MORNING SESSION II: 10:30 - 12:00

BRESNAHAN I ROOM - ENGINEERING AND TECHNOLOGY

Session Moderators: Dr. Douglas M. Price and Dr. William Wood

10:30 - 10:45	Carbon Dioxide Corrosion and Inhibition Studies Kristin Gilida
	Faculty Advisor: Dr. Douglas M. Price
10:45 - 11:00	Materials Engineering Projects: 3D Printing and Chemical Etching
	Alberto Miranda and Leah Nakely
	Faculty Advisor: Dr. Cynthia Hirtzel
11:00 - 11:15	Testing of Masonry Lintels
	Nate Malmsberry
	Faculty Advisor: Dr. William Wood

BRESNAHAN II ROOM – PSYCHOLOGY

Session Moderators: Dr. Margaret Gittis and Dr. Beverly Ann Gray

10:30 - 10:45	What Are You Looking At? Effects of Race and Gender on Recognition Candace M. Younkins
	Faculty Advisor: Dr. Beverly Ann Gray
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10:45 - 11:00	The Influence of Facial Feedback on a Weight Bias
	Ellen Hurd
	Faculty Advisor: Dr. Margaret M. Gittis
11:00 - 11:15	How Good is Your Memory?
	Maggie Marsh
	Faculty Advisor: Dr. Margaret M. Gittis
11:15 - 11:30	What Do You Have to Hide? Face-ism as a Factor of Gender and Age
	Candace M. Younkins
	Faculty Advisor: Dr. Steve L. Ellyson

COFFELT ROOM - COMPUTER SCIENCE

Session Moderators: Dr. Alina Lazar and Dr. Bradley Shellito

10:30 - 10:45	C.STRAHLER STEREO DETECTION©2006: Real Estate, Planning,
	Analysis of Patterns
	Craig Strahler
	Faculty Advisor: Dr. Bradley Shellito
10:45 - 11:00	A Multiparadigm Approach to Epistemic Representation of Interrogative
	<u>Domains</u>
	Tracey Hughes and Cameron Hughes
	Faculty Advisor: Dr. Alina Lazar
11:00 - 11:15	Imaging and Characterization of Facial String in Long Video Sequences
	Matt Shreve and Shaun Canavan
	Faculty Advisor: Dr. Yong Zhang
11:15 - 11:30	The Sarbanes-Oxley Act: A Guide for IT Students and Professionals
	Krishna James
	Faculty Advisor: Dr. Joseph C. Blankenship
11:30 - 11:45	Time Out: Get Control of Your Cell Phone Minutes
	Jonathan Jenyk
	Faculty Advisor: Dr. John R. Sullins

HUMPHREY ROOM - SOCIOLOGY AND POLITICAL SCIENCE

Session Moderators: Dr. David S. Porter and Dr. Qi Jiang

10:30 - 10:45	Complexities and Inequalities of Post- 9/11 Politics Marianne Dobritch and Julia Rodabaugh
	Faculty Advisor: Dr. Qi Jiang
10:45 - 11:00	Gay Marriage: Why the Right Gets it Wrong and the Left Doesn't Get it
	Albert Morar II
	Faculty Advisor: Dr. David S. Porter
11:00 - 11:15	Global Warming Crisis: An Individual and Informed Plea for Change
	Elizabeth Khumprakob
	Faculty Advisor: Jeanne Zingale
11:15 - 11:30	Model NATO
	Guy Sebastian
	Faculty Advisor: Dr. David S. Porter
11:30 - 11:45	The Rise of Islamic Extremism from the Muslim Brotherhood to Bin Laden
	John T. Blue
	Faculty Advisor: Dr. David S. Porter

JAMES GALLERY - MECHANICAL AND INDUSTRIAL ENGINEERING

Session Moderators: Dr. H.W. Shaun Kim and Dr. Hazel Marie

10:30 – 10:45	Human Powered Vehicle
	Andrea Fryda, Mark Arnio, Erik Beegle, and William Tutor Faculty Advisor: Dr. Hazel Marie
10:45 – 11:00	Increasing the Torque and Efficiency of a Permanent Magnet Motor
	John Frech, Matthew Corsale, Matthew Mosko, and James Shuster
	Faculty Advisor: Dr. Elvin B. Shields
11:00 – 11:15	Moonbuggy 1
	David Gaffney, Benjamin Greenawalt, and Andrew Reed
	Faculty Advisor: Dr. H. W. Shawn Kim
11:15 – 11:30	Moonbuggy 2
	Robert Kotel, Jeremy Payne, and Brian Rea
	Faculty Advisor: Dr. H. W. Shawn Kim

JONES ROOM - RESEARCH ON SAN SALVADOR, THE BAHAMAS

Session Moderators: Dr. Dawna Cerney and Dr. Shane V. Smith

10:30 - 10:45	A Preliminary Study of Entombed Beach Debris On San Salvador Island,
	The Bahamas
	Sarah Lewis, Katie Pylypiak, Tyler Furrie, and Krista Foster
	Faculty Advisor: Dr. Ronald V. Shaklee
10:45 - 11:00	An Archaeological Report on the Storr's Lake Site
	David Parker
	Faculty Advisor: Thomas Delvaux
11:00 - 11:15	Storr's Lake Archaeological site Mapping
	Jenny Geilhard and Stephanie Day
	Faculty Advisor: Dr. Dawna Cerney
11:15 - 11:30	Annual Changes of the Pigeon Creek Delta Bathymetry, San Salvador,
	Bahamas
	Will Emery, Noell Bonar, and Mark Mazzi
	Faculty Advisor: Dr. Jeffrey C. Dick

JONES ROOM - RESEARCH ON SAN SALVADOR, THE BAHAMAS - continued

11:30 - 11:45	Depositional Patterns and Coastal Change at Sandy Point, San Salvador,
	Bahamas
	James Becker, Anthony Olive, and Robert Coffey
	Faculty Advisor: Dr. Jeffrey C. Dick
11:45 - 12:00	Paleosols on San Salvador, Bahamas
	Jesse Zampedro and Ron Stratton
	Faculty Advisor: Dr. Shane V. Smith
12:00 - 12:15	Paleowind Direction on San Salvador, Bahamas
	Chris Norton, Chuck Mooney, and Margarita Rodriguez
	Faculty Advisor: Dr. Shane V. Smith

OHIO ROOM - POSTER SESSION II: CHEMISTRY, PHYSICS, AND BIOLOGY Session Moderators: Dr. Peter Norris and Dr. John J. Feldmeier

10.00 10.00	
10:30 - 12:00	REEL Project (Research Experience to Enhance Learning)
	Debbie Smith
	Faculty Advisor: Dr. Timothy R. Wagner
10:30 - 12:00	A One-Pot Synthesis of Azides from Alcohols
	Brian Dobosh, Lucas Beagle, and Charles Hartranft
	Faculty Advisor: Dr. Peter Norris
10:30 - 12:00	Analysis of Sputter-Deposited ZnO Epitaxial Semiconductor
	Aaron Schott
	Faculty Advisor: Dr. Tom N. Oder
10:30 - 12:00	Calibrating and Analyzing data from the BOKS Project
	Zachary Brown
	Faculty Advisor: Dr. John J. Feldmeier
10:30 - 12:00	C-H Insertion Chemistry on Furanose Platforms
	Calvin Austin, Ashely Malich, and Jen Patton
	Faculty Advisor: Dr. Peter Norris
10:30 - 12:00	Evaluation of the Effective Fragment Potential Method of Molecular
	Modeling
	David Martin
	Faculty Advisor: Dr. Michael J. Crescimanno
10:30 - 12:00	Following Alcohol to Azide Conversions by IR Spectroscopy
	Patrick Anderson, Mark Callow, Vinnie Peyko, Jarrett Steffy, Tareq
	Kayyali, and David Hamer
	Faculty Advisor: Dr. Peter Norris
10:30 - 12:00	Identification of a Cell Size Regulator in the Proteome of Penicillium
	<u>marneffei</u>
	Joseph A. Dikun, David Hamer, and Jaclyn Morris
	Faculty Advisor: Dr. Gary R. Walker
10:30 - 12:00	Mimics of Sugars Related to S. aureus Microcapsules
	Michael Evans
	Faculty Advisor: Dr. Peter Norris
10:30 - 12:00	Molecular Modeling and Ring Conformation in Honors Organic Chemistry
	Justine Busby, Thomas Krupko, and Moriah Wright
	Faculty Advisor: Dr. Peter Norris
10:30 - 12:00	REEL PROJECT: Synthesis and Characterization of
	KCoxCu(1-x)F3 (x=0 to 10)
	Rachel Kusnic
	Faculty Advisor: Dr. Timothy R. Wagner

OHIO ROOM - POSTER SESSION II: CHEMISTRY, PHYSICS, AND BIOLOGY - continued

10:30 - 12:00	Scalable Syntheses of Aminosugars Found in S. aureus Capsular Polysaccarides
	Ryan Conway and Adam Cox
	Faculty Advisor: Dr. Peter Norris
10:30 - 12:00	Searching for Extragalactic Planetary Nebulae in the Leo Triplet
	Ashley Skalsky and Laura Magrini (Universita di Firenze, Italy)
	Faculty Advisor: Dr. John J. Feldmeier
10:30 - 12:00	Synthesis and Reactions of Bis(2,2,2-trifluoroethy) Phosphonoalkynes
	Ramnath Kallamadi
	Faculty Advisor: Dr. John A. Jackson
10:30 - 12:00	The Synthesis and Characterization of Ferrocenyl Polymers
	Using Atom Transfer Radical Polymerization
	Brittny Humphrey
	Faculty Advisor: Dr. Sherri Lovelace-Cameron
10:30 - 12:00	Towards Mimics of UDP-N-acetyl-L-fucosamine
	David Clark McCutcheon and Katrherine Pavlidakey
	Faculty Advisor: Dr. Peter Norris
10:30 - 12:00	Visualizing Stereochemical Inversion in the SN2 Reaction
	Peter Norris
	Faculty Advisor: Dr. Peter Norris

PUGSLEY ROOM - DANA SCHOOL OF MUSIC

Session Moderator: Dr. Silvio J. dos Santos

10:30 - 10:45	Between Nietzsche and Wagner: Richard Strauss's Ein Heldenleben Taylor Dicken
	Faculty Advisor: Dr. Silvio J. dos Santos
10:45 - 11:00	Bye bye Butterfly - Welcome Caterpilar
	Vivianne Asturizaga
	Faculty Advisor: Dr. Silvio J. dos Santos
11:00 - 11:15	Motivic and Formal Structures in Bartók's Sonata for Piano (1926)
	Wesley Krautbauer
	Faculty Advisor: Dr. Silvio J. dos Santos
11:15 - 11:30	The Appropriation and Integration of Wagner
	David Catchpole
	Faculty Advisor: Dr. Silvio J. dos Santos
11:30 - 11:45	The Reception of Schoenberg's Twelve-Tone Compositional Techniques
	Maureen Connell
	Faculty Advisor: Dr. Silvio J. dos Santos

CHESTNUT ROOM - QUEST STUDENT AND FACULTY LUNCHEON 12:00 - 1:15

AFTERNOON SESSION I 1:30 - 3:00

BRESNAHAN I ROOM - MATHEMATICS AND STATISTICS

Session Moderators: Dr. Thomas Smotzer and Dr. Jay G. Kerns

1:30 -1:45	Inradius and Circumradius of a Triangle
	John Hird
	Faculty Advisor: Dr. Thomas Smotzer
1:45 - 2:00	Statistical Comparison of Discrete Audio
	Tyler Drombosky
	Faculty Advisor: Dr. Jay G. Kerns
2:00 - 2:15	The Order of Groups
	Darla Jones
	Faculty Advisor: Dr. Neil Flowers

BRESNAHAN II ROOM - HEALTH PROFESSIONS

Session Moderators: Dr. Salvatore Sanders and Dr. Kathleen Akpom

1:30 -1:45	A Comparison of Teaching Methods Used to Improve house Staff Use of Metered
	<u>Dose</u>
	Pat Russo
	Faculty Advisor: Dr. Salvatore Sanders
1:45 - 2:00	Eta Sigma Gamma Community Projects
	Margaret Beniston and Katie Moore
	Faculty Advisor: Dr. Kathleen Akpom
2:00 - 2:15	HIV Testing Among College Students
	Sparkil Alli
	Faculty Advisor: Dr. Kathleen Akpom

COFFELT ROOM - GEOGRAPHY, CHEMISTRY, AND BIOLOGY

Session Moderators: Dr. Ronald Shaklee and Dr. Brian D. Leskiw

1:30 -1:45	A Spatial and Temporal Overview of Urban Structure in Sub-Saharan Africa Stephanie Day
	Faculty Advisor: Dr. Ronald V. Shaklee
1:45 - 2:00	Are Natural Corked Wines Better?
	John Milo
	Faculty Advisor: Dr. Brian D. Leskiw
2:00 - 2:15	Bimolecular Reactions in the Gas Phase
	Daryl G. Mains
	Faculty Advisor: Dr. Brian D. Leskiw
2:15 - 2:30	GPS/GIS Applications for Local Event Planning
	Wook Rak Jung
	Faculty Advisor: Dr. Bradley A. Shellito
2:30 - 2:45	Proteomic Analysis of Phase-Switch Studies on Dimorphic Fungus P.
	<u>marneffei</u>
	Karen Stangl
	Faculty Advisor: Dr. Chester Cooper
2:45 - 3:00	Identification of a Cell Size Regulator in the Proteome of Penicillium marneffei
	Joseph Dikun, David Hamer, and Jacyln Morris
	Faculty Advisor: Dr. Gary R. Walker

HUMPHREY ROOM - TEACHER EDUCATION

Session Moderators: Dr. Regina Rees and Richard Pirko

1:30 - 1:45	Electronic Flashes, Strobes, & High-Speed Photography Joseph Neiheisel
	Faculty Advisor: Richard Pirko
1:45 - 2:00	Great Chicago Fire
	Daniel Rose
	Faculty Advisor: Dr. Fred W. Viehe
2:00 - 2:15	Literacy Strategies for Special Needs Students
	Lauren Glenn
	Faculty Advisor: Dr. Regina M. Rees
2:15 - 2:30	Motivating Middle School Students to Read in and out of the Classroom
	Jaclyn Elias
	Faculty Advisor: Dr. Regina M. Rees
2:30 - 2:45	Napoleon Triangles- A Brief Presentation
	Jeffrey Cornfield
	Faculty Advisor: Dr. Thomas Smotzer

JAMES GALLERY - MECHANICAL AND INDUSTRIAL ENGINEERING

Session Moderator: Dr. Elvin Shields

1:30 - 1:45	Quick Release System for Trench Box
	Thomas Meikle, Kyle Sands, and Josh Winters
	Faculty Advisor: Dr. Elvin B. Shields
1:45 - 2:00	Trench Shield Quick Release Mechanism
	Christopher Keller, Brian Meek, and Joseph Pietromona
	Faculty Advisor: Dr. Elvin B. Shields
2:00 - 2:15	Trench Shoring System Pin Redesign
	Michael Long and Kevin Turner
	Faculty Advisor: Dr. Elvin B. Shields
2:15 - 2:30	Trench Spreader Bar Quick-Release Upgrade
	Scott Sherrod, Brandon Papa, Russell Newman, and
	William Thompson
	Faculty Advisor: Dr. Elvin B. Shields
2:30 - 2:45	YSU Channel Guard
	Tammy Donnadio, Sara Wise, Danielle Guerrieri, and Jeremy Mount
	Faculty Advisor: Dr. Elvin B. Shields

JONES ROOM - HISTORY

Session Moderators: Dr. Anne York and Dr. Fred W. Viehe

1:30 - 1:45	And Justice for All? The Massacre at My Lai 4
	Lisa Vario
	Faculty Advisor: Dr. Anne York
1:45 - 2:00	Open for All Men for All Time, the Significance of Goodyear Hall
	Tammy L. Troup
	Faculty Advisor: Dr. Donna M. DeBlasio
2:00 - 2:15	The 1968 Democratic Convention
	Greg Yakubov
	Faculty Advisor: Dr. Fred W. Viehe

JONES ROOM - HISTORY - continued

2:15 - 2:30	The 360: British Use of Force in Ireland Paul Brenner
	Faculty Advisor: Dr. David A. Simonelli
2:30 - 2:45	The Iconography of Ivan the Terrible in Stalin's USSR
	Jennifer Hanuschak
	Faculty Advisor: Dr. Brian Bonhomme
2:45 - 3:00	The Queen of Steam; Steam Locomotive No. 765
	Patrick Davis
	Faculty Advisor: Dr. Fred W. Viehe

OHIO ROOM - POSTER SESSION III: SCIENCE AND TECHNOLOGY

Session Moderators: Dr. Frank X. Li and Dr. Joseph Andrews

1:30 - 3:00	"We are IT" - A Quest to Increase the Interest in Computing
	Among Young Girls
	Louise Popio and Shauna Hartline
	Faculty Advisor: Dr. Alina Lazar
1:30 - 3:00	Affects of Spherical Contact Terminal Geometry on the Electrical
	Performance of Diodes
	Mark Barlow
	Faculty Advisor: Dr. Frank X. Li
1:30 - 3:00	Assessment of the Hurricane Impact Scale, San Salvador, Bahamas
	Ginger Cartright
	Faculty Advisor: Dr. Jeffrey C. Dick
1:30 - 3:00	Face Rocognition with 2D and 3D images using Support Vector Machines
	Shaun Canavan
	Faculty Advisor: Dr. Alina Lazar
1:30 - 3:00	GIS Techniques for Mapping Ground Water Pollution at a BFI Landfill
	Nicole Eve
	Faculty Advisors: Dr. Jeffrey C. Dick and Dr. Bradley Shellito
1:30 - 3:00	Heater Design for RF Sputter Deposition
	Aaron Schott, Dan Angelis, Leby Sassya, and Wajiha Ghauri
	Faculty Advisor: Dr. Jalal Jalali
1:30 - 3:00	Interpreting Techtonic History Using Fabric Analysis of Multi. Rock
	Deformations
	Dominic Vigarino
	Faculty Advisor: Dr. Joseph E. Andrew
1:30 - 3:00	Online Multiplayer Gaming Environment Capable of Real-time Interaction
	Jonathan J. Duran
	Faculty Advisor: Suzan C. Harper
1:30 - 3:00	Relationship Between Polyaromatic Hydrocarbons in Groundwater and the
	Mahoning River
	Steven A. Buffone
	Faculty Advisor: Dr. Isam Amin
1:30 - 3:00	Structural Steel Fireproofing
	Brad E. Drennen
	Faculty Advisor: David G. Kurtanich

OHIO ROOM - SIGMA XI FACULTY RESEARCH POSTERS

1:30 - 3:00	Burrell-Optical-Kepler Survey (BOKS) I: Survey Description Feldmeier, John J.; Howell, S.; Harding, P.; Mihos, C.; Rudick, C.; Sherry, W.; Lee, T.; Knox, C.; Ciardi, D.; von Braun, K.; Everett, M.; Proctor, M.; van Belle, G.
1:30 - 3:00	Burrell-Optical-Kepler Survey (BOKS) II: Early Variability Results Howell, Steve B.; Feldmeier, John J. ; van Braun, K.; Everett, M.; Mihos, C.; Harding, P.; Knox, C.; Sherry, W.; Lee, T.; Ciardi, D.; Rudick, C.; Proctor, M.; van Belle, G.
1:30 - 3:00	Carbohydrate Mimetics for Staphylococcus aureus Capsule Diana Fagan, Monica Vicarel, Abdul Basit, and Peter Norris
1:30 - 3:00	Choosing a Career in Psychology: Dilemmas for Women Margaret M. Gittis
1:30 - 3:00	Comparing Correlations of Metric and Morphological Data from the Deciduous and Permanent Dentitions in a European American Sample Loren R. Lease and H.J.H. Edgar
1:30 - 3:00	Continuity on Product Spaces Zbigniew Piotrowski
1:30 - 3:00	Is There a Correlation Between Deciduous and Permanent Dental Metrics in a Sample of Female Americans of Hispanic Descent? RJ McGinn, HJH Edgar, and Loren R Lease
1:30 - 3:00	Psychology of Women as Laboratory Margaret M. Gittis, Coletta S. Mace, Erin E. Gallagher
1:30 - 3:00	Screening of Metal-Resistant Bacterial Isolates from Poplar Creek in Oak Ridge, TN Stephen Vadia, Sithari Edirisooriya, Christine Franz, Matthew Skiljo, Devinbir Malik, Jonathan Caguiat
1:30 - 3:00	Thermally Stable Silicon Carbide Schottky Diodes using ZrB2 Tom N. Oder

AFTERNOON SESSION II 3:30 - 5:00

BRESNAHAN I ROOM - ENGLISH AND ART

Session Moderators: Dr. Barbara Nykiel-Herbert and Dr. Stephanie Smith

3:30 - 3:45	Cross-Cultural Complaint Speech Acts: Taiwan vs. American
	Amy Jo Giovannone and Chia-Chi Hsu
	Faculty Advisor: Dr. Barbara Nykiel-Herbert
3:45 - 4:00	Bread Stamps in the Early Medieval World
	Jennifer Houston
	Faculty Advisor: Dr. Stephanie Smith
4:00 - 4:15	Till Eulenspiegel And His Role As Trickster In Late Middle Ages
	Gary Davenport
	Faculty Advisor: Dr. Leonard Scott

COFFELT ROOM - BUSINESS, ACCOUNTING, AND MANAGEMENT

Session Moderators: Dr. David E. Stout and Dr. John B. Russo

3:30 - 3:45	Improving Cash-Flow Management through an Activity-Based Costing
	<u>Implementation</u>
	Gregory Bedenis
	Faculty Advisor: Dr. David E. Stout
3:45 - 4:00	Financial Literacy
	Jaime Kudary and Kevin Love
	Faculty Advisor: Dr. Raymond J. Shaffer
4:00 - 4:15	The Global position of Indian Automotive Companies
	Michael Perry
	Faculty Advisor: Dr. John B. Russo
4:15 - 4:30	Yeditepe University Case Study
	Rosanna Zarzycki-Miller
	Faculty Advisor: Dr. Birsen Karpak

HUMPHREY ROOM - CRIMINAL JUSTICE

Session Moderator: Dr. John M. Hazy

3:30 - 3:45	Behind the Scenes: An Exploratory Study of Student Grade Performance
	Stacey Lewis
	Faculty Advisor: Dr. John M. Hazy
3:45 - 4:00	Female Delinquency: Growth & Response
	Jennifer Bierdeman
	Faculty Advisor: Dr. John M. Hazy
4:00 - 4:15	Juvenile Boot Camps and Detention Centers: Is there a better one?
	Stephanie Hughes
	Faculty Advisor: Dr. John M. Hazy

JAMES GALLERY - ELECTRICAL AND COMPUTER ENGINEERING

Session Moderators: Dr. Jalal Jalali and Dr. Salvatore R. Pansino

3:30 - 3:45	An Automated System for the Hargreaves Method Rachel Hughes, James Venglar, and James Jackson Faculty Advisor: Dr. Jalal Jalali
3:45 - 4:00	Autonomous Robot Carl Rossler
	Faculty Advisor: Dr. Jalal Jalali
4:00 - 4:15	Design and Implementation of a Industrial Machine Monitoring System David Garthwaite and Ian Thompson
	Faculty Advisor: Dr. Salvatore R. Pansino
4:15 - 4:30	High Temperature Superconductor Tests for Electrical Characteristics Nick Lockard, Andriy Ptichkin, and Looja Tuladar
	Faculty Advisor: Dr. Jalal Jalali
4:30 - 4:45	Single to Three Phase Conversion Using a Rotary Style Design Cliff Barton, Edward Sutphin, Kevin Carney, and Brett Stitt
4:45 - 5:00	Faculty Advisor: Dr. Jalal Jalali Smart House
4.45 - 5.00	Lannie Marsh, Shaun Sudol, Bob Morlan, and Kevin Coy
	Faculty Advisor: Dr. Jalal Jalali
5:00 - 5:15	Wind Turbine Dale Seginak, Cory Webb, Chris Harris, and Anthony Ferrell Faculty Advisor: Dr. Jalal Jalali

JONES ROOM - HUMAN ECOLOGY AND PHYSICAL THERAPY

Session Moderators: Dr. Janice Elias and Dr. Mollie C. Venglar

3:30 - 3:45	Controversial Issues Surrounding Body Mass Index as a Measure of Health Lora I. Werkmeister
	Faculty Advisor: Dr. Kathleen Akpom
3:45 - 4:00	Factors Affecting Job Satisfaction in the Child Care Workplace
	Sara Jugenheimer
	Faculty Advisor: Dr. Janice G. Elias
4:00 - 4:15	FES Bike Training Impact on Ambulation after a Chronic Spinal Chord
	<u>Injury</u>
	Alexis Elias
	Faculty Advisor: Dr. Mollie C. Venglar
4:15 - 4:30	Pre-Service Students Knowledge about Prenatal Addiction
	Roslyn Fabian
	Faculty Advisor: Dr. Carol Hawkins
4:30 - 4:45	Progressive Resistive Exercise for Fibromyalgia: Function, Pain, and Sleep
	Amy Boes
	Faculty Advisor: Dr. Marlene lannucci
4:45 - 5:00	Use of a Posterior Wheeled Walker to Improve
	Alaina-Marie Hershman
	Faculty Advisor: Suzanne M. Giuffre

OHIO ROOM - POSTER SESSION IV: MULTIDICIPLINARY SESSION

Session Moderators: Dr. Martin Cala and Dr. Jake J. Protivnak

3:30 - 5:00	Analysis of Lifting Task at Humtown Products Brenten Lamoncha and Joelius Lariccia
	Faculty Advisor: Dr. Martin Cala
3:30 - 5:00	Brainard Rivet Company Time Study
	Bobby Hepfner and Aylin Ulus
	Faculty Advisor: Dr. Martin Cala
3:30 - 5:00	Bridging America's Digital Divide
	Tonie Gordon
	Faculty Advisor: Dr. Julia M. Gergits
3:30 - 5:00	Determination of Sex and Ancestry Through Non-Traditional Bone
	Measurements
	Barbara Hileman and Jill Little
	Faculty Advisor: Dr. Loren R. Lease
3:30 - 5:00	Effect of Auditory and Visual Cues on Retrieval
	Jennifer Platek
	Faculty Advisor: Dr. Karen M. Giorgetti
3:30 - 5:00	Effect of Socioeconomic Status and Gender on Children's Career
	<u>Aspirations</u>
	Ashley Nagle
	Faculty Advisor: Dr. Karen M. Giorgetti
3:30 - 5:00	Gia Russa (Zidian Manufacturing)
	Matt Dechelis and Scott Minadeo
	Faculty Advisor: Dr. Martin Cala
3:30 - 5:00	Mac Trailer Time Study
	William James and Tim Jones
0.00 5.00	Faculty Advisor: Dr. Martin Cala
3:30 - 5:00	Peer Virtual Networks: What School Counselors Should Know About 21st
	Century Student Communication
	Rob Rivello, Lauren Sadlak, and Julie Sharrow
0.00 5.00	Faculty Advisor: Dr. Jake J. Protivnak
3:30 - 5:00	Respecting the Will of the People: Death with Dignity Legislation
	Krystal Culler
3:30 - 5:00	Faculty Advisor: Dr. Daniel J. Van Dussen
3.30 - 5.00	School Based Conflict Resolution: A Review of the Four Most Common Approaches
	Lauren Sadlak and Candice Davis
	Faculty Advisor: Dr. Jake J. Protivnak
3:30 - 5:00	Students' Knowledge of Standard Serving Sizes and Ability to Estimate
3.30 - 3.00	Portions
	Christine Casey, Allison Huck, Jenna Cole, and Brian Dubeil
	Faculty Advisor: Dr. Zara Rowlands
3:30 - 5:00	The Super Bowl Food Phenomenon
0.00 - 0.00	Emily Gillam, Kelly Scott, Molly Oder, and Cindy Sebulsky
	Faculty Advisor: Dr. Zara Rowlands
	. dodity Navioor. Dr. Zara Novialido

OHIO ROOM - POSTER SESSION IV: MULTIDICIPLINARY SESSION - continued

3:30 - 5:00	Time Study at Patriot Seating Brad Samsa and Joe Juby
	Faculty Advisor: Dr. Martin Cala
3:30 - 5:00	Use of Low Grade Joint Mobilization to Treat Chronic Joint pain Caused by
	<u>System</u>
	Shingo Tanaka
	Faculty Advisor: Dr. Mollie C. Venglar
3:30 - 5:00	Work Measurement and Standards Development at Altronic Inc.
	Joshua Babbey and Chris Tyrell
	Faculty Advisor: Dr. Martin Cala

PUGSLEY ROOM – ART EXHIBITION

Session Moderator: Dragana Crnjak

3:30 - 5:00	Art and Text
	Adam Sullivan
	Faculty Advisor: Dragana Crnjak
3:30 - 5:00	<u>Painting</u>
	Amy Kreiger
	Faculty Advisor: Dragana Crnjak
3:30 - 5:00	<u>Pending</u>
	Elizabeth Sait
	Faculty Advisor: Dragana Crnjak
3:30 - 5:00	Abstract Painting
	Jennifer Townsend
	Faculty Advisor: Dragana Crnjak