College of Arts & Sciences
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Present

NORTHEASTERN ILLINOIS UNIVERSITY FIFTH ANNUAL FACULTY RESEARCH & CREATIVE ACTIVITIES SYMPOSIUM

November 14, 2014
Participants

College of Arts & Sciences
College of Business & Management
College of Education
College of Graduate Studies & Research

Symposium Steering Committee Members

John Albazi, College of Arts & Sciences
Saba Ayman-Nolley for the College of Graduate Studies & Research
Dragan Milovanovic, College of Arts & Sciences
Cynthia Moran, Creative Activities
Isaura Pulido, College of Education
Rasoul Rezvanian, College of Business & Management
Angela Vidal-Rodriguez, McNair Scholars Program

SYMPOSIUM PROGRAM

8:00 – 8:30 AM Registration/Coffee
Student Union, First Floor

8:30 – 8:50 AM Program Commencement
Alumni Hall

Welcome and Introduction
Dr. John Albazi, Symposium Coordinator

Greetings
Dr. Sharon K. Hahs, President
Northeastern Illinois University

This year’s Symposium is sponsored by the Office of Academic Affairs and the College of Arts and Sciences.
Track 1
Session A
Student Union (Golden Eagles Room SU 103)
Presiding: Cynthia Moran (Department of Communication, Media, and Theatre)

9:00 AM  “FINDING CONTEMPORARY RELEVANCE IN A ROMANTIC PERIOD TELLING OF THE HERO’S JOURNEY, AS CREATED BY JOHANNES BRAHMS IN DIE SCHÖNE MAGELONE, OPUS 33 (1869)”, Robert Heitzinger, D.M., Department of Music

9:40 AM  “NUCLEAR POLICY: ARTIFACTS OF THE COLD WAR”, Nate Mathews, Department of Art

10:20 AM  “TOO MUCH OF A GOOD THING: MOTHERHOOD IN THE PLAYS OF MARGARET SANGER’S THE BIRTH CONTROL REVIEW”, Angela Sweigart-Gallagher, Department of Communication, Media, and Theatre

11:00 AM  “DESIGNER GENES: PROJECT Driven STUDENT LEARNING INTEGRATING COMMUNICATION CONCEPTS, TEACHING STRATEGIES, AND COLLABORATIVE PLAYWRITING”, Written and Directed by Jim Blair, Department of Communication, Media, and Theatre

11:40 AM  Lunch Break

Track 1
Session B
Student Union (Golden Eagles Room SU 103)
Presiding: Cynthia Moran (Communication, Media and Theatre)

12:30 PM  “A PERFORMANCE OF ORIGINAL AND TRADITIONAL SONGS IN THE FOLK TRADITION”, James A. Lucas, Professor Emeritus of Music

1:10 PM  “SACRED SPACES GREEK AND ROMAN THEATRES”, Ann B Hartdegen Department of Communication, Media, and Theatre

1:50 PM  “GLITCH ART (AND MY MANIFESTATIONS THEREOF)”, Paul Lempke, Department of Art

2:30 PM  “LATIN AMERICAN CINEMA’S MULTIPLE MODERNITIES”, Paul A. Schroeder Rodríguez, Department of World Languages and Culture
9:00 AM "H5N1 AVIAN INFLUENZA ENTRY: UNCOVERING SIALIC ACID'S POTENTIAL COFACTOR", Mairead O'Connor-Maloney, Rifka Joly, Leekita McCorker, Emily Rumschlag Booms, David Rutschman (College of Arts and Sciences), Student Union (SU 214), Normal, IL 61761, Indiana University, Bloomington, IN 46202

9:40 AM "UNIFYING PREDATOR AND PARASITE ECOLOGY USING AN EMPIRICAL TEST OF FUNCTIONAL RESPONSE MODELS", Sarah A. Orlofske, Robert C. Jadin, Maxwell B. Joseph, Department of Biology, Northeastern Illinois University, Chicago, IL 60625, Illinois State University, Normal, IL 61761, Indiana University, Bloomington, IN 46202

10:20 AM "USING WORMS TO UNDERSTAND HUMAN NEURODEGENERATIVE DISEASES", Cindy Voisine, Quan Nguyen, Emily Rendleman, Zelene Figueroa, Deelegant Robinson, Nathan Park, Anthony Salamanca, Anthony Harshman, and Nazish Muzaffar, Department of Biology

11:00 AM "THE DROSOPTILA WERNER EXONUCLEASE PARTICIPATES IN AN EXONUCLEASE-INDEPENDENT RESPONSE TO REPLICATION STRESS", Elyse Bolterstein, Rachel Rivero, Melissa Marquez, Rob Salomon, Mitch McVey, Department of Biology, Northeastern Illinois University, Tufts University, Mount St. Mary's College, Tufts University, School of Medicine

11:40 AM Lunch Break

Track 2
Session B
Student Union (SU 214)

12:30 PM "SOCIAL BEHAVIOR, STRESS, ANXIETY, AND DOPAMINE: IT IS A COMPLICATED RELATIONSHIP", Shannon Saszik, Department of Psychology

1:10 PM "INVASIVE PLANTS THAT HYBRIDIZE: CHALLENGES IN CATTAIL IDENTIFICATION AND IN ESTIMATING HYBRIDIZATION RATES", Pamela Geddes, Department of Biology

1:50 PM "INTEGRATING GEOGRAPHIC INFORMATION SYSTEMS AND REMOTE
SENSING FOR LAND CHANGE ANALYSIS IN AN URBAN AREA”, Ting Liu, Department of Geography and Environmental Studies

2:30 PM “THE PARADOX OF COBENEFITS: COOPERATION, IMPLEMENTATION, AND THE COSTS OF ISSUE LINKAGE”, Caleb Gallemore, Department of Geography and Environmental Studies

Track 3
Session A
Student Union (SU 215)
Chandana Meegoda (Chemistry Department)

9:00 AM “PEAK FORCE QUANTITATIVE NANOMECHANICAL PROPERTY MAPPING: A USER-FRIENDLY APPROACH TO ATOMIC FORCE MICROSCOPY”, Rima Rebiai1, Marie E. Kroeger2, Zain Malik1, Emina A. Stojković2, Stefan Tsonchev1, and Kenneth T. Nicholson*1. 1Department of Chemistry, 2Department of Biology

9:40 AM “APPLICATION OF NMR IN CHARACTERIZATION OF ARSENOPLATINS – INORGANIC ANTICANCER AGENTS BASED ON THE COMBINATION OF PLATINUM AND ARSENIC DRUGS”, Denana Miodragovic*1,2, Josh Kurutz2, Charlotte Stern2, and Thomas O’Halloran2. 1Department of Chemistry, Northwestern Illinois University, 2Northwestern University, Evanston, IL

10:20 AM “DESIGN AND SYNTHESIS OF NEW SMALL-MOLECULE ELECTRON-ACCEPTING MATERIALS FOR APPLICATION IN ORGANIC ELECTRONICS”, Ali Reza Mohebbi*, Fred Wudl, Department of Chemistry

11:00 AM “MASTERY AND WIKIS, TRANSITION TIME? MOVING TOWARD STUDENT CENTER LABS”, Sandra Neri1, Ngan Tran1, Thach Nguyen1, Courtney Moran2, and Ana Fraiman*1. 1Chemistry Department, 2Biology Department

11:40 AM Lunch Break

Track 3
Session B
Student Union (SU 215)
Presiding: Rasoul Razvanian (Accounting, Business Law and Finance)

12:30 PM “CONCEPTUAL FRAMEWORK FOR CONTEXT DISCOVERY AND ADAPTATION”, Hong Andy Chen, Accounting, Business Law & Finance

1:10 PM “GLOBAL STOCK MARKET MOVEMENTS BASED ON INVESTORS ‘FEAR GAUGE”, Hardik Marfatia, Department of Economics

1:50 PM “OPENNESS AND MACROECONOMIC VOLATILITY: DO DEVELOPMENT
FACTORS DRIVE SUCH AMBIGUOUS RESULTS?”, Scott W. Hegerty, Department of Economics

2:30 PM  “THE SCIENCE OF CONSCIOUS LIVING”, Stephen Grove, MBA, Leadership, Management, Marketing, Economics and Theology

Track 4
Session A
Student Union (SU 216)
Alberto Lopez (College of Education)

9:00 AM  “EVALUATION OF A NEW MODEL OF RETENTION IN A COMMUTER-STUDENT POPULATION”, Hoa Khuong, Institutional Research and Assessment

9:40 AM  “ENGAGING DIFFERENCE IN U.S. UNIVERSITY CLASSROOMS TO PREPARE GLOBAL CITIZENS”, Wilfredo Alvarez, Department of Communication, Media, and Theatre

10:20 AM  “RIGHT FROM THE START: TEACHER STUDENT RELATIONSHIPS AND THE TRANSITION TO HIGH SCHOOL”, Andrew Brake, Department of Social Work

11:00 AM  “INFUSING DISABILITY CONCEPT INTO PHYSICAL EDUCATION TEACHER EDUCATION PROGRAM”, Eun Hye Kwon, Department of Health, Physical Education, Recreation, and Athletics

11:40 AM  Lunch Break

Track 4
Session B
Student Union (SU 216)
Isaura Pulido (President’s Office)

12:30 PM  “PROMOTING PRESERVICE TEACHERS' INQUIRY AND COMPUTATIONAL THINKING USING SCRATCH”, Hanna Kim*, Department of Teacher Education, Rachel F. Adler, Department of Computer Science

1:10 PM  “UTTERANCE FLUENCY AND COGNITIVE FLUENCY OF ENGLISH LANGUAGE LEARNERS”, Jimin Kahng, Department of Teaching English as a Second/Foreign Language

1:50 PM  “THE IMPACT OF SERVICE LEARNING AND CRITICAL REFLECTION ON STUDENT PERCEPTIONS OF BEHAVIORAL AND AFFECTIVE LEARNING: A LONGITUDINAL STUDY”, Nanette Potee, Department of Communication, Media, and Theatre
Track 5  
Session A  
Student Union (SU 217)  
Presiding: Theophilus Okosun (Justice Studies)

9:00 AM  “THE FREQUENCY OF DETERMINER ELEMENTS IN CROW NOUN PHRASES”, Lewis Gebhardt, Department of Linguistics

9:40 AM  “LANGUAGE CHOICE, CODESWITCHING AND LATIN@ IDENTITY”, Shahrzad Mahootian, Department of Linguistics

10:20 AM  “HOW THE SHAH'S IMPERIAL ARMY FAILED TO PROTECT THE PAHLAVI DYNASTY IN 1979”, Mateo M. Farzaneh, Department of History

11:00 AM  “HOW INTERNATIONAL LEADERS OVERCOME DIFFICULT SOCIAL CONDITIONS AND MOVE BEYOND THEIR LOCALITY: AN EXPLORATORY STUDY OF BIOGRAPHY AND LEADERSHIP DEVELOPMENT”, Wojciech Wloch, Ed.D. Candidate, Office of International Programs

11:40 AM  Lunch Break

Track 5  
Session B  
Student Union (SU 217)  
Presiding: Kim Sanborn (Nontraditional Degree Programs)


1:10 PM  “TEAM-TEACHING AS A MODE OF TEXTUAL PRODUCTION: TEACHING AS WRITING, WRITING IN TEACHING”, Christine Simokaitis, Olivia Cronk, Department of English

1:50 PM  “INTERPRETING AMBIVALENCE: UNDERSTANDING STUDENT IDENTITY CONFLICTS THROUGH STORIES OF LITERACY”, Timothy Barnett, Departments of English and Women's & Gender Studies

2:30 PM  “DIS-ALIENATING THE NEIGHBORHOOD: MISTER ROGERS' MARXIST VISION OF LOVE AND WORK”, Tim Libretti, Department of English
Track 6  
Session A  
Student Union (SU 218)  
Presiding: Lidia Filus (Mathematics)  

9:00 AM  “A GENERALIZED SPIN-STATISTICS THEOREM”, Paul O'Hara, Department of Mathematics  

9:40 AM  “SUBSPACE STRATEGY IN MATRIX COMPUTATION”, Zhonggang Zeng, Department of Mathematics  

10:20 AM  “TUMOR MORPHOLOGICAL STABILITY: A MODEL BASED ON PHYSICAL PROPERTIES AND CELLULAR MICROENVIRONMENT”, Emma Turian, Department of Mathematics  

11:00 AM  “THE MATH COMPONENT OF THE EMERGE SUMMER PROGRAM: SUPPORTING INCOMING FRESHMEN IN MATH DEVELOPMENT COURSEWORK”, Sarah Oppland-Cordell*, Katherine Bird*, Joseph Hibdon*, Stevan Ranney*, and EMERGE Panel*, Department of Mathematics  

11:40 AM  Lunch Break  

Track 6  
Session B  
Student Union (SU 218)  
Presiding: Saba Ayman-Nolley (Psychology)  

12:30 PM  “THE EFFECTS OF REAL WORLD AND ONLINE INTERPERSONAL CONNECTEDNESS ON DEPRESSION AND SUICIDAL IDEATION AMONG YOUNG ADULTS”, Christopher Merchant, Department of Psychology  

1:10 PM  “EXPLORING THE ROLE OF PARENTING IN THE DEVELOPMENT OF CHILD SELF-REGULATION: EARLY ATTACHMENT AS A MODERATING VARIABLE”, R. Birmingham*, Department of Justice Studies, Northeastern Illinois University, K. Bub, Department of Educational Psychology, University of Illinois Urbana-Champaign  

1:50 PM  “EXPLORING COLLEGE STUDENTS’ NATURE OF SCIENCE VIEWS AND THEIR EPISTEMOLOGIES RELATED TO LEARNING SCIENCE”, Huseyin Colak, Department of Educational Inquiry and Curriculum Studies  

2:30 PM  “IMPLEMENTING CONCEPTUAL THEORIES OF MOTOR SKILL LEARNING TO THE INSTRUCTION AND ASSESSMENT PROCEDURES UTILIZED IN ACADEMIC CORE SUBJECTS”, Tom Parry, Department of Health, Physical
ACKNOWLEDGEMENTS

The symposium Steering Committee would like to express its sincere thanks to President Sharon Hahs, Provost Richard Helldobler, Vice President for Institutional Advancement Melba Rodriguez, Dean Maureen Gillette, College of Education, Dean Michel Stern, College of Graduate Studies and Research, Acting Dean Michael Bedell, College of Business and Management, and Dean Wamucii Njogu, College of Arts and Sciences for their enthusiastic support of the symposium.

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