

11-13-2015

2015 Northeastern Illinois University Sixth Annual Faculty Research Symposium - Program

Symposium Steering Committee

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

Present

**NORTHEASTERN ILLINOIS
UNIVERSITY SIXTH ANNUAL FACULTY
RESEARCH & CREATIVE ACTIVITIES
SYMPOSIUM**

November 13, 2015



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 Education.

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

- 9:00 AM "HBO AND THE LOGICS OF PUBLIC TELEVISION: REFRAMING THE PRE-HISTORY OF HBO'S SIGNATURE STYLE," Shayne Pepper* (Department of Communication, Media, and Theatre)
- 9:40 AM "INTERSECTION OF THE ARTS: GUILLAUME APOLLINAIRE, LOUIS DUREY AND RAOUL DUFY IN THE CREATION OF THE SONG CYCLE *LE BESTIAIRE, OU CORTÈGE D'ORPHÉE*," Robert Heitzinger* (Department of Music)
- 10:20 AM "CELEBRATING THE 150TH BIRTHDAY OF W.B. YEATS, A PERFORMANCE OF POETRY, PROSE AND SONG OF THE POET FROM THE CABARET "IN THE DEEP HEART'S CORE"," Kathy Cowan*, voice; Steve Zivin. piano; W.B. Yeats, all text; Joseph Daniel Sobol (Department of Music)
- 11:00 AM Coffee Break
- 11:20 AM "THE ONE WE'VE BEEN WAITING FOR? ANALYSIS OF OBAMA'S RHETORICAL RESPONSE TO OUR NATION'S CHALLENGING "SITUATION," Wilfredo Alvarez*, Department of Communication, Media, and Theatre
- 12:00 PM "ALL NIGHT CHECK: BEAUTIFUL YOUNG LADIES TO PERFORM FOR YOU," Angela Sweigart-Gallagher* (Department of Communication, Media, and Theatre), Victoria P. Lantz (Sam Houston State University) and Melissa C. Thompson (University of Arizona)
- 12:40 PM Lunch Break

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

- 1:20 PM "PUT CHILDREN IN SCHOOL...NOT TO WORK: AN EXPLORATION OF CHILD LABOR IN SIERRA LEONE," Jeffrey J. Bulanda* (Department of Social Work)
- 2:00 PM "EQUALITY: TEACHING HISTORY THROUGH CHILDREN'S THEATRE," Ann B Hartdegen* (Department of Communication, Media, and Theatre)
- 2:40 PM "IN YOU WE TRUST: YOUTH REFLECTIONS ON BEST PRACTICES FOR BUILDING TEACHER-STUDENT TRUST IN NINTH GRADE," Andrew Brake* and Juan Arango* (Department of Social Work)

Track 2
Session A
Student Union (SU 214)
David Rutschman (College of Arts and Sciences)

- 9:00 AM "PROFILING PROTEIN PHOSPHATASE ACTIVITY USING PEPTIDE ARRAYS AND MASS SPECTROMETRY," Jing Su^{*1}, Chaney Kalinich², Maria Cabezas Tapia², Richard Seftor³, Milan Mrksich², ¹Department of Chemistry, Northeastern Illinois University, ²Departments of Biomedical Engineering, Chemistry, and Cell and Molecular Biology, Northwestern University, ³Feinberg School of Medicine, Northwestern University
- 9:40 AM "USING WORMS TO UNDERSTAND HUMAN NEURODEGENERATIVE DISEASES," Cindy Voisine*, Zelene Figueroa, Kirsten Knapton, Da In Lee, Jason Garcia and Joseph Marsili (Department of Biology)
- 10:20 AM "THE ROLE OF THE RECQ PROTEINS, BLM AND WRNEXO, IN DNA REPAIR, AGING, AND TUMORIGENESIS," Elyse Bolterstein^{*1,2}, Angel Aguilar¹, Janet Garcia¹, Imad Rebiai¹, Barbara Rokita¹, Rob Salomon³, and Mitch McVey², ¹Department of Biology, Northeastern Illinois University, ²Department of Biology, Tufts University, ³Tufts University, School of Medicine
- 11:00 AM Coffee Break
- 11:20 AM "H5N1 AVIAN INFLUENZA ENTRY: UNCOVERING SIALIC ACID'S POTENTIAL COFACTOR", Brenna Dooley¹, Rifka Joly², Isabelle Szot¹ and Emily Rumschlag Booms^{*1}, ¹Department of Biology, ²Department of Chemistry
- 12:00 PM "THE CIRCADIAN MODULATION OF PHYSIOLOGY IN THE PRAYING MANTIS: A NOVEL INSECT MODEL SYSTEM," Aaron E. Schirmer^{*1}, Frederick R. Prete¹, Bart van Alphen², Edgar S. Mantes¹, Wil Bogue¹, Andrew F. Urdiales¹, Salim A. Patel¹, Christina Carrion¹, Greg Prete¹, and Veronica M. Skital¹, ¹Department of Biology, Northeastern Illinois University, ²Department of Neurobiology and Physiology, Northwestern University
- 12:40 PM Lunch Break

Track 2
Session B
Student Union (SU 214)
Presiding: David Rutschman (College of Arts and Sciences)

- 1:20 PM "EXTINCTION BY HYBRIDIZATION? A PROBABLE FATE FOR A NATIVE CATTAIL SPECIES," Pamela Geddes* (Department of Biology)
- 2:00 PM "GETTING THINGS DONE WITH IQTELL, A CROSS-PLATFORM ORGANIZATION TOOL," Erick Howenstine* (Department of Geography &

Environmental Studies)

**Track 3
Session A
Student Union (SU 215)**

Presiding: Rasoul Razvanian (Accounting, Business Law, and Finance)

- 9:00 AM "MACROECONOMIC AND FINANCIAL INTEGRATION IN ASIA: A SNEAK PEEK INTO THE CHINESE AND INDIAN EXPERIENCE," Hardik A. Marfatia* (Department of Economics)
- 9:40 AM "COMMON CYCLES AND BALTIC-NORDIC ECONOMIC INTEGRATION," Scott W. Hegerty* (Department of Economics)
- 10:20 AM "NEO-LIBERALIZING TRAINS – EVIDENCE FROM REFORMING POLISH RAILROADS PRESENTED IN A MORE GENERAL CONTEXT," Marcin Król* (Warsaw School of Economics)
- 11:00 AM Coffee Break
- 11:20 AM "DO FIRMS USE NOMINAL SHARE PRICE TO MITIGATE INVESTOR SHORT-TERMISM?," Huong Le* (College of Business and Management), Ji-Chai Lin (School of Accounting and Finance, Hong Kong Polytechnic University), G. Mujtaba Mian (College of Business, Zayed University, Dubai).
- 12:00 PM "MATHEMATICS OF RECONCILIATION FOR ASSESSMENT, PREDICTION, AND CONTROL," Hong Chen* (Department of Accounting, Business Law & Finance).
- 12:40 PM Lunch Break

**Track 3
Session B
Student Union (SU 215)**

Presiding: Kim Sanborn (Nontraditional Degree Programs)

- 1:20 PM "THE BUSINESS OF DOING BUSINESS," Stephen Grove* (Department of Management and Marketing)
- 2:00 PM "IF YOU WANT STUDENTS TO LEARN SCIENCE AND MATH, TEACH THEM LIKE YOU TEACH SPORTS...LESSONS LEARNED BY A SPECIAL ED., HIGH SCHOOL, UNIVERSITY TEACHER (based on my recent TEDx talk)," Fredrick R. Prete* (Department of Biology)
- 2:40 PM "GESTURE AND SPATIAL REASONING ACROSS DOMAINS: EXPLORING GESTURES AS A WAY TO TAP SPATIAL REPRESENTATIONS OF ABSTRACT CONCEPTS,* R. Breckinridge Church (Department of Psychology)
- 3:20 PM "ABILITY TO SMELL ANDROSTADIENONE IS ASSOCIATED WITH SOCIAL

AND SEXUAL BEHAVIORS, AND ATTENTION TO EMOTIONS IN OLDER ADULTS,” David W. Kern^{1*}, Kristen E. Wroblewski², L. Philip Schumm², Jayant M. Pinto³, and Martha K. McClintock⁴, ¹Department of Psychology, Northeastern Illinois University, ²Department of Public Health Sciences, The University of Chicago, ³Section of Otolaryngology-Head and Neck Surgery, Department of Surgery, The University of Chicago, ⁴Institute for Mind and Biology and Department of Comparative Human Development, The University of Chicago, Corresponding Author: David W. Kern, Department of Psychology

**Track 4
Session A
Student Union (SU 216)
Presiding: Isaura Polido (College of Education)**

- 9:00 AM “TEACHING RESEARCH METHODS UNDER EXTENUATING CIRCUMSTANCES: UNDER THE VEIL OF A SAUDI UNDERGRADUATE FEMALE,” Ana Gil Garcia*, (Department of Educational Leadership and Development)
- 9:40 AM “AWARENESS AND EMPOWERMENT: CREATING TOOLS FOR ADVOCACY AMONGST YOUTH EXPERIENCING INSTABILITY,” Ann M. Aviles de Bradley* (Department of Educational Inquiry and Curriculum Studies) and Nicole Grigalunas* (Department of Child Advocacy Studies)
- 10:20 AM “TEEN HEALTH CARE BROKERING: PREVALENCE, IMPACT, AND DESIRED SUPPORT,” Jennifer R. Banas* (Department of Health, Physical Education, Recreation and Athletics), James Ball (Department of Health, Physical Education, Recreation and Athletics) and Lisa Wallis, Associate Professor (Ronald Williams Library)
- 11:00 AM Coffee Break
- 11:20 AM “DUAL LANGUAGE EDUCATION AS AN EQUITY AGENT FOR STUDENTS: A CASE STUDY OF THE LONG-TERM IMPACTS OF AN ENGLISH-SPANISH DUAL LANGUAGE PROGRAM,” Ngoc- Diep T Nguyen* (Department of Teacher Education)
- 12:00 “TRAJECTORY OF CHANGE: QUANTIFYING 40 YEARS OF CHANGES IN SELECTED QUALITY OF LIFE INDICATORS,” Charles Pistorio* and Susan Schwendener* (Department of Counselor Education)
- 12:40 Lunch Break

**Track 4
Session B
Student Union (SU 216)
Presiding: Shahrzad Mahootian (Linguistics)**

- 1:20 PM “STEPPING ACROSS THE HALLWAYS: A PARTNERSHIP IN CAREER

EXPLORATION AND ACADEMIC WRITING IN AN ENGLISH 101 COURSE,” Elaine Blair* (Career Development Center), Marcia Buell* (Department of English) and Timothy McMahon* (Career Development Center)

2:00 PM “WHERE YOU PAUSE MATTERS: PERCEPTION OF SECOND LANGUAGE FLUENCY AND PAUSE LOCATION,” Jimin Kahng* (Department of Teaching English to Speakers of Other Languages (TESOL)

2:40 PM “MAKING PROGRESS WITH CROW,” Lewis Gebhardt* (Department of Linguistics)

Track 5

Student Union (SU 217)

Presiding: Theophilus Okosun (Justice Studies)

9:00 AM “IS HISTORY POSSIBLE? A Disciplinary Specific Prolegomenon to an Agnostic Epistemology,” Gregory Holmes Singleton* (Professor of History, Emeritus)

9:40 AM “NATION OF DESCENDANTS: GENEALOGY AND THE SELF IN AMERICA,” Francesca Morgan* (Department of History)

10:20 AM “WHY WE CHOP THE MEAT: READING POPULAR TELEVISION REPRESENTATIONS OF WORK AND INTIMACY IN *CHOPPED* and *DEXTER*,” Tim Libretti* (Department of English)

11:00 AM Coffee Break

11:20 AM “THE WHITE ATLANTIC: JAMAICA KINCAID, NEOCOLONIAL LANDSCAPES, AND THE POLITICS OF AESTHETICS,” Ryan Poll* (Department of English)

12:00 PM “THE FALLACIES OF GENETIC ALTRUISM,” Charles Nissim-Sabat* (Professor of Physics, Emeritus)

12:40 PM Lunch Break

Track 6

Student Union (SU 218)

Presiding: Lidia Filus (Mathematics)

9:00 AM “HOW TO SOLVE A HOMOGENEOUS LINEAR SYSTEM $Ax = 0$,” Zhonggang (Zeke) Zeng* (Department of Mathematics)

9:40 AM “DRAG ASSISTED SIMULATED ANNEALING,” Paulo H. Acioli* (Department of Physics and Astronomy)

10:20 AM “PEER ENHANCED EXPERIENTIAL RESEARCH IN SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS,” Paulo Acioli¹, Sudha Srinivas¹, Elisabet Head¹, Joseph Hibdon², Lidia Filus², Rachel Trana³, Marcelo Sztainberg³, and Kenneth Nicholson^{*4}, ¹Departments of Earth Science and Physics, ²Department

of Mathematics, ³Department of Computer Science, ⁴Department of Chemistry

11:00 AM Coffee Break

11:20 AM “UNDERSTANDING SOCIALLY CONSTRUCTED CONCEPTS USING BLOGS DATA,” Alastair Gill (King’s College, London) and Francisco Iacobelli* (Department of Computer Science)

12:00 PM “MY GOLF ADVISOR (PATENT PENDING): WHAT WE HAVE HERE IS AN ELECTRONIC PERFORMANCE SUPPORT SYSTEM FOR THE NOVICE GOLFER,” Shirley J. Caruso* (Department of Human Resource Development)

12:40 PM Lunch Break

ACKNOWLEDGEMENTS

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

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