

11-18-2016

## 2016 Northeastern Illinois University Seventh Annual Faculty Research Symposium - Program

Symposium Steering Committee

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**College of Arts & Sciences  
College of Business & Management  
Daniel L. Goodwin College of Education  
College of Graduate Studies and Research**

**Presents**

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

**November 18, 2016**



## **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  
Alberto Lopez, Daniel L. Goodwin College of Education  
Cynthia Moran for the Creative Activities  
Mary Thill, Ronald Williams Library  
Angela Vidal-Rodriguez, McNair Scholars Program  
Chunnwei Xian, College of Business & Management

## **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. Richard J. Helldobler, Interim President  
Northeastern Illinois University

This year's Symposium is sponsored by the Office of Academic Affairs.

**Track 1**  
**Session A**  
**Student Union (Recital Hall)**  
**Presiding: Cynthia Moran (Department of Communication, Media, and Theatre)**

- 9:40 AM FUSING COUNTRY SONGS AND GHAZALS: A CULTURAL EXCHANGE EXPERIMENT, David Mathews, Department of English
- 10:20 AM SELECTIONS FROM THE COMEDIC ARIAS AND SONGS OF GAETANO DONIZETTI, Robert Heitzinger\* and Kay Kim, Department of Music and Dance
- 11:00 AM Coffee Break
- 11:20 AM DISRUPTING THE BODY... JUST GETTING IN THE AIR IN A DIFFERENT KINDA WAY, Olivia Cronk\* and Christine Simokaitis, Department of English
- 12:00 PM THE LARAMIE PROJECT: THEATRE OF TESTIMONY, Ann B Hartdegen, Department of Communication, Media and Theatre
- 12:40 PM Lunch Break

**Track 2**  
**Session A**  
**Student Union (Golden Eagles Room SU 103)**  
**Presiding: Saba Ayman-Nolley (Department of Psychology)**

- 9:40 AM HOW CAN STEROTYPES INFLUENCE SELF IDENTITY?, Stacey Goguen, Department of Philosophy
- 10:20 AM TRAUMATIC BRAIN INJURY AND SCHIZOPHRENIA: EXAMINING THE RELATIONSHIP BETWEEN TRAUMATIC BRAIN INJURY AND THE ONSET OF SCHIZOPHRENIA-LIKE SYMPTOMS: A CASE CONTROL STUDY, Denise Romanow, Department of Psychology
- 11:00 AM Coffee Break
- 11:20 AM EFFECT OF LEADER-SUBORDINATE DYAD ETHNIC COMPOSITION AND RELATIONSHIP LENGTH ON LEADER'S TRUSTWORTHINESS PERCEPTION, Yelena Polyashuk\*, Roya Ayman (Illinois Institute of Technology) and Jennifer L. Roberts (Illinois Institute of Technology), Department of Psychology
- 12:00 PM THE ROLE OF THE CODA IN ENGLISH FLAPPING, Lewis Gebhardt, Department of Linguistics
- 12:40 PM Lunch Break

**Track 2**  
**Session B**  
**Student Union (Golden Eagles SU 103)**  
**Presiding: Saba Ayman-Nolley (Department of Psychology)**

- 1:20 PM TRAVEL PHRASEBOOKS' PRESENTATION OF LANGUAGES OTHER THAN ENGLISH (LOTE), Richard W. Hallett, Department of Linguistics
- 2:00 PM PARENTING IN INFANCY AND SELF-REGULATION IN PRESCHOOL: AN INVESTIGATION OF THE ROLE OF ATTACHMENT HISTORY, Rachel Birmingham, Department of Justice Studies

**Track 3**  
**Session A**  
**Student Union (SU 214)**  
**Presiding: Pamela Geddes (Department of Biology and Environmental Science Program)**

- 9:00 AM USING GENETIC DISEASE MUTANTS TO INVESTIGATE THE LINK BETWEEN OXIDATIVE STRESS AND AGING IN DROSOPHILA MELANOGASTER, Bolterstein E<sup>1\*</sup>, Salomon R<sup>2</sup>, McVey M<sup>3</sup>, Garcia J<sup>1</sup>, Rokita B<sup>1</sup>, Cassidy D<sup>1</sup>, Zhou L<sup>1</sup>, and Salameh, C<sup>1</sup>.  
<sup>1</sup>Department of Biology, Northeastern Illinois University,  
<sup>2</sup>Department of Pathology, Tufts University School of Medicine, Boston, MA;  
<sup>3</sup>Department of Biology, Tufts University, Medford, MA.
- 9:40 AM ARSENOPLATINS – POTENT DUAL TARGETING ANTICANCER AGENTS, Denana Miodragovic<sup>\*1,2</sup>, Antonello Merlino<sup>3</sup>, Sara Abuhadba<sup>1</sup>, Luigi Messori<sup>4</sup>, and Thomas O'Halloran<sup>2</sup>  
<sup>1</sup>Chemistry Department, Northeastern Illinois University  
<sup>2</sup>Chemistry of Life Processes Institute, Northwestern University, 2145 Sheridan Road, Evanston, IL 60208  
<sup>3</sup>University of Naples Federico II, Complesso Universitario di Monte Sant'Angelo Viacintia, I-80126 Napoli, Italy  
<sup>4</sup>Department of Chemistry 'Ugo Schiff', Road Lastruccia, 3-13, 50019 Sesto Fiorentino, Italy
- 10:20 AM LIGHT-INDUCED STRUCTURAL CHANGES OF S. AURANTIACA BACTERIOPHYTOCHROMESB AS REVEALED BY ATOMIC FORCE MICROSCOPY, Rima Rebiai,<sup>1</sup> Emina A. Stojković,<sup>2</sup> Stefan Tsonchev,<sup>1</sup> and Kenneth T. Nicholson<sup>1\*</sup>  
<sup>1</sup>Department of Chemistry, <sup>2</sup>Department of Biology
- 11:00 AM Coffee Break

11:20 AM SETTING THE SCENE FOR WONDER: AN EXPLORATION OF FACTORS THAT MAY PREDICT EXCEPTIONAL EXPERIENCES IN NATURE, Melinda Storie, Department of Geography and Environmental Studies

12:00 PM PEER-LED TEAM LEARNING: AN ACTIVE LEARNING METHOD FOR THE 21ST CENTURY, Ana. Fraiman<sup>1</sup>, Brenna Dooley<sup>1</sup>, Emily Fioramonti<sup>1</sup>, Paras Mehta<sup>1</sup>, Alexandra Gokee<sup>1</sup>, J. E. Becvar<sup>2</sup>, AE Dreyfuss<sup>3</sup>

<sup>1</sup> Chemistry Department, Northeastern Illinois University

<sup>2</sup> Chemistry Department, University of Texas at El Paso

<sup>3</sup> Educational Consultant, New York

12:40 PM Lunch Break

### **Track 3**

#### **Session B**

#### **Student Union (SU 214)**

**Presiding: Pamela Geddes (Department of Biology and Environmental Science Program)**

1:20 PM DEVELOPMENT OF NEW PEPTIDE DRUGS FOR TREATING TYPE I DIABETES, Jing Su<sup>\*1</sup>, Sue Mungre<sup>2</sup>, Andrew Apals<sup>1</sup>, Rich Xue<sup>1</sup>, Irvin Garcia<sup>1</sup> and Paras Mehta<sup>2</sup>

<sup>1</sup>Department of Chemistry, <sup>2</sup>Department of Biology

2:00 PM Fabrication of Li-Ion Battery Cathode Materials, Chandana Meegoda\*, Mark Mau, and Elisabeth Somchith, Department of Chemistry

### **Track 4**

#### **Session A**

#### **Student Union (SU 215)**

**Presiding: Chunwei Xian (Department of Accounting, Business Law, and Finance)**

9:00 AM ACQUISITIVE CRIMES, TIME OF DAY, AND MULTIUNIT HOUSING IN THE CITY OF MILWAUKEE, Scott W. Hegerty, Department of Economics

9:40 AM TIME VARIATION IN THE MONETARY POLICY TRADE-OFFS AND THE MACRO-FINANACIAL FORCES, Hardik A. Marfatia, Department of Economics

10:20 AM EXPLORING THE CHICAGO HEALTH EQUITY COLLABORATIVE (CHICAGO-CHEC): THE 2016 INCUBATOR & CATALYST GRANT PROGRAM AT NEIU, Christina Ciecierski, Department of Economics

11:00 AM Coffee Break

11:20 AM APPLICATION OF TIME SERIES ANALYSES IN ACCOUNTING AND AUDITING, Sara Aliabadi\* and Alireza Dorestani, Department of Accounting, Business, law and Financing

12:00 AM PROCESS FACTORIZATION ALGORITHM FOR RETRIEVING MATCHING  
INTUITIONS FOR EFFECTIVE AND EFFICIENT REAL-TIME DECISION  
MAKING, Hong Chen, Department of Accounting, Business, law and Financing

12:40 PM Lunch Break

**Track 4  
Session B  
Student Union (SU 215)**

**Presiding: Chunwei Xian (Department of Accounting, Business Law, and Finance)**

1:20 PM NUANCED ROLE OF RELEVANT PRIOR EXPERIENCE: SALES TAKEOFF OF  
DISRUPTIVE PRODUCTS AND PRODUCTS INNOVATION WITH DISRUPTED  
TECHNOLOGY, Raja Roy\* and Mazhar Islam (Tulane University), Department of  
Management and Marketing

**Track 5  
Session A  
Student Union (SU 216)**

**Presiding: Angela Vidal-Rodriguez (McNair Scholars Program)**

9:00 AM DOG RACING & AL CAPONE, 1927-32, Steven A. Riess, Emeritus Professor of  
History

9:40 AM ISLAM, IRAN, AND WOMEN IN WAR, Mateo M Farzaneh, Department of History

10:20 AM THE MYTH OF AN ILLITERATE AFRICA: CONTEXTUALIZING ISLAMIC  
LITERACY IN WEST AFRICA, Emelda Lawson Bekkal, Department of African and  
American Studies

11:00 AM Coffee Break

11:20 AM THE SCHOOL SOCIAL WORK PROFESSIONAL LEARNING COMMUNITY  
PROJECT: EARLY LESSONS AND NEW DIRECTIONS, Andrew Brake,  
Department of Social Work

12:00 PM FROM KATRINA TO FLINT: SYCOPHANCY AND NEGLECT IN U.S. POLITICAL  
CULTURE, Charles Nissim-Sabat, Emeritus Professor of Physics and Retired  
Attorney-at-Law

12:40 PM Lunch Break

**Track 5  
Session B  
Student Union (SU 216)**

**Presiding: Angela Vidal-Rodriguez (McNair Scholars Program)**

1:20 PM LOMAX'S MATRIX: DISABILITY, SOLIDARITY, AND THE BLACK POWER OF 504: A CRITIQUE, Josef Ben Levi, Department of Sociology

2:00 PM THE BABY TALK HOME VISITING RANDOMIZED CONTROL TRIAL: EXAMINING THE EFFECTS OF THE HOME VISITING ON REFUGEE FAMILIES, Aimee Hilado, Department of Social Work

**Track 6  
Session A  
Student Union (SU 217)  
Presiding: Lidia Filus (Department of Mathematics)**

9:00 AM A SYNERGY BETWEEN NUMERICAL ANALYSIS AND DIFFERENTIAL TOPOLOGY, Zhonggang (Zeke) Zeng, Department of Mathematics

9:40 AM ISOMETRIC IMMERSIONS OF PSEUDO – SPHERICAL SURFACES VIA DIFFERENTIAL EQUATIONS, Nabil Kahouadji, Department of Mathematics

10:20 AM KNOT THEORY AND EMBEDDING SURFACES IN 4 - DIMENSIONAL SPACE, Matthew Graham, Department of Mathematics

11:00 AM Coffee Break

11:20 AM IMPROVING EFFICIENCY IN STRUCTURAL EQUATION MODELS BY AN EASY EMPIRICAL LIKELIHOOD APPROACH, Shan Wang, Department of Mathematics

12:00 PM THE MATH SESSION OF THE EMERGE SUMMER PROGRAM: SUPPORTING INCOMING FRESHMEN IN SUCCEEDING IN MATH DEVELOPMENT COURSEWORK, Sarah Oppland-Cordell\*, Katherine Bird, and Joseph Hibdon, Department of Mathematics

12:40 PM Lunch Break

**Track 6  
Session B  
Student Union (SU 217)  
Presiding: Lidia Filus (Department of Mathematics)**

1:20 PM ON THE DYNAMICS OF MOVING BODIES, Charles Nissim-Sabat, Emeritus Professor of Physics and Retired Attorney-at-Law

**Track 7  
Session A  
Student Union (SU 218)  
Presiding: Mary Thill (Ronald Williams Library)**



- 9:40 AM WHY WE CHOP THE MEAT: READING POPULAR TELEVISION REPRESENTATIONS OF WORK AND INTIMACY INCHOPPED and DEXTER, Tim Libretti, English Department
- 10:20 AM BLACK LIVES MATTER: THE POLITICS OF STORYTELLING IN LIN-MANUEL MIRANDA'S HAMILTON, Ryan Poll, English Department
- 11:00 AM Coffee Break
- 11:20 AM NATION, NARRATION, AND RACE: WILLIAM FAULKNER'S SOUTHERN FABLE, Kristen Over, Department of English
- 12:00 PM INSTITUTIONAL REPOSITORIES AND OPEN ACCESS: INCREASING THE IMPACT OF YOUR RESEARCH, Alyssa Vincent, Library Department
- 12:40 PM Lunch Break

**Track 8  
Session A  
Student Union (SU 219)**

**Presiding: Kim Sanborn (Department of Non-Traditional Programs)**

- 9:00 AM MINDSET, SELF-MANAGEMENT AND THE FUTURE OF HUMAN LIFE, Stephen R. Grove, Department of Management and Marketing
- 9:40 AM PERFORMANCE OBJECTIVE GENERATOR: AN ONLINE TOOL TO HELP EDUCATORS WRITE EFFECTIVE PERFORMANCE (LEARNING) OBJECTIVES USING THE ABCD MODEL, Shirley J. Caruso, Department of Literacy, Leadership, and Development
- 10:20 AM CREATING SPACES TO COMMUNICATE IN MODERN SOCIETY: TOWARD A THEORY OF COMMUNAL APPRECIATION, Wilfredo Alvarez, Department of Communication, Media and Theatre
- 11:00 AM Coffee Break

## **ACKNOWLEDGEMENTS**

The symposium Steering Committee would like to express its sincere thanks to Interim President Richard J. Helldobler, Interim provost Victoria Roman-Lagunas, Vice President for Institutional Advancement Liesl V. Downey, Vice President for Student Affairs Daniel Lopez Jr., Interim Dean Sandra D. Beyda, Goodwin College of Education, Dean Michael Bedell, College of Business and Management, Dean Wamucii Njogu, College of Arts and Sciences, Dean Carlos Melian, Ronald Williams Library, and Dean Michael Stern, College of Graduate Studies and Research for their enthusiastic support of the symposium.

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