



WESTERN CONNECTICUT STATE UNIVERSITY

14th Connecticut State University
Faculty Research Conference

Western Connecticut State University

Student Center/WestSide Campus
Saturday, April 16, 2011

8:00 am – 1:30 pm

CONFERENCE SCHEDULE, April 16, 2011

Registration, 2nd floor of WestSide Campus Student Center
8:00 am-11:30 am

Continental Breakfast
North Ballroom
8:00 – 8:45 am

Welcome and Opening Remarks
Dr. Karen Daley, Dr. Thomas Lonergan, Co-Chairs
8:45 – 9 am

Presentations
Poster presentations 8:30 – 11:45 am
Oral presentations
9:00 – 11:45 am

Luncheon
North Ballroom
12:00 – 12:45 PM

Trustees Research Award
12:45 pm Welcome-President James Schmotter, Western Connecticut State University

Welcoming Remarks- CSUS Acting Chancellor Louise Feroe

Recognition of 2010-11 CSUS Trustees Research Award Recipients- Trustee John A. Doyle

Brief Remarks—2010-11 CSUS System-Level Trustees Research Award Winner

Keynote Address—Dr. Theodora Pinou
2009-10 CSUS System-Level Trustees Research Award Winner

Poster Presentations
South Ballroom

Abstracts for all presentations may be accessed at: <http://www.ct.edu/faculty/conferences>
Posters are to be on display by 8:30 am, South Ballroom at the designated board number. Posters will be placed on tables and must be free standing with a backing. Tripods, if required, must be provided by the author and will be placed on the tables.

Authors should be at their poster for discussion 11-11:45 am (Lunch follows in the adjacent North Ballroom)

Arts & Humanities

Poster No.	Title/Author
1	<i>"Toward a Grammar of Style for College Writers"</i> Professor Dr. Patrick Ryan, Writing, Linguistics, and Creative Process, WCSU
2	<i>"Capoeira - African Brazilian culture and contemporary globalization."</i> Associate Professor Dr. Joshua M Rosenthal, History and Non-Western Cultures, WCSU
3	<i>"The WILL of Love: a performance piece contextualizing Shakespeare's love sonnets."</i> Associate Professor Ms. Pamela McDaniel, Theatre Arts, WCSU

Accounting

4	<i>"Investigation of the Quality of the IASB-FASB Revenue Recognition Model"</i>
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Associate Professor Ms. Mary McCarthy, Accounting, Professor Dr. Paul Mihalek, CCSU

5 *"Incentive-Based Tax Legislation and the Film Industry"*

Associate Professor Dr. Cheryl Crespi, Assistant Professor Marie Kulesza, Professor Paul Mihalek, Accounting, CCSU

6 *"Assessing the Accounting Curriculum for Communication Skills, Software Skills, and Presentation Skills"*

Professor Dr. Paul Mihalek, Associate professor Dr. Cheryl Crespi, Accounting, CCSU

Business Administration

7 *"Motivation: The Key To Getting More Out Of University Committees"*

Associate Professor Dr. Craig Erwin, Business Administration, ECSU

8 *"Integrating Social Sciences, Organizational Behavior and Information Systems Theory in Designing a Non-Profit Database Website"*

Assistant Professor Dr. Alex Citurs, Business Administration, ECSU

9 *"Integration of Liberal Arts Experiential Learning into Information Systems Service Learning Projects"*

Assistant Professor Dr. Alex Citurs, Undergraduate Student Justin Ferrari, Business Administration, ECSU

10 *"Engineering Failure Analysis as a Model for Ethical Failure Analysis"*

Assistant Professor Dr. Wayne Buck, Business Administration, ECSU

11 *"A Design Science Multicriteria Approach for theion of IS Outsourcing Providers"*

Professor Dr. Doncho Petkov, Professor, ECSU, Dr. Olga Petkova, Business Administration, CCSU

Business

12 *"A systemic evaluation of the Emergency Notification System at ECSU"*

Undergraduate Student Mr. Adam Dickenson, Professor Doncho Petkov, Business Information Systems, ECSU

13 *"Application of Social Networking Media for Small Business"*

- Professor Dr. Olga Petkova, Graduate Students Mark Pisano, George Porter, Matthew Quinn, MIS, CCSU
- 14 *"Testing the Hurricane Model to understand employee choices when sharing knowledge in work teams"*
- Assistant Professor Dr. Jason Snyder, Professor Dr. Joo Eng Lee-Partridge, Graduate Student Davis William, Management Information Systems, CCSU
- 15 *"Small Business Survival and Exit through M&A: A Duration Analysis"*
- Dr. Susan Coleman, University of Hartford, Assistant Professor Dr. Carmen Cotei, University of Hartford, Professor Dr. Joseph Farhat, Finance, CCSU

Computer Science

- 16 *"Algorithmic Characterization of Visual Objects"*
- Associate Professor Dr. Klaus Peters, Graduate Student Frank Fearnley, Computer Science, SCSU

Education

- 17 *"Influences of a Collaborative Teaching Experience on Pre-service Elementary Science Teachers' Self-Efficacy: A Pilot Study"*
- Assistant Professor Dr. Lara Smetana, Education, SCSU
- 18 *"Factors That Contribute to the Completion of Eligibility in Division III Women's Intercollegiate Sports"*
- Graduate Student Ms. Sara Morgatto, Education and Educational Psychology-- Instructional Leadership, WCSU
- 19 *"African American Adolescents' Perceptions of Their Learning, Instructional, and Relational Experiences"*
- Ms. Melissa Jenkins, Associate Professor Dr. Kathryn Campbell, Professor Dr. Marcia Delcourt, Associate Professor Dr. Karen Burke
- 20 *"An IHE/LEA Research Partnership: Closing the Achievement Gap Through Differentiated Professional Development for Preschool Educators"*
- Assistant Professor Dr. Maureen Ruby, Assistant Professor Dr. Ann Anderberg, Education, ECSU
- 21 *"Preparing Classroom-Ready Teacher Candidates: Alignment of University Instructional Materials with District Reading Curricula and Assessments"*
- Assistant Professor Dr. Maureen Ruby, Assistant Professor Dr. Brandon Monroe (Education, ECSU)
- 22 *"Handheld vs. Desktop Computers: Effective Usage by Preschoolers in Natural Learning Environments"*

- 23 Professor Dr. Sudha Swaminathan, Graduate Student Meghan Ryczek,
*“Teacher-Child Interactions during Preschool Play: Impact on Children's
Mathematical Ability”*
- 24 Professor Dr. Sudha Swaminathan, Professor Dr. Jeffrey Trawick-Smith,
Graduate Students Kelly Zimmerman, Claire Fryer, Education, ECSU
*“Teachers and Principals Perceptions of Leadership Characteristics and the
Relationship of These Perceptions to School Climate”*
- 25 Dr. Raina Kor, Professor Dr. Karen Burke, Dr. Lois Favre, Dr. Jacquelyn
Taylor, Education and Educational Psychology- Instructional Leadership,
WCSU
*“The Effects of the Language! Literacy Instruction on the Reading
Comprehension and Motivation to Read of Struggling Middle School Readers”*
- 26 Dr. Julia Ferreira, Professor Dr. Karen Burke, Dr. Janice Jordan, Associate
Professor Dr. Edward Duncanson, Education and Educational Psychology-
Instructional Leadership, WCSU
*“An Examination of Attitudes Toward Mathematics by Gender, Grade Level, and
Parental Parental Perceptions”*
- 27 Graduate Student Ms. Holli Levy, Professor Dr. Marcia Delcourt, Dr. Christine
Salon, Associate Professor Dr. Gina Cicco, Education and Educational
Psychology- Instructional Leadership, WCSU
*“Effects of Listening Strategies Instruction on Listening Comprehension, Oral
Proficiency, and Metacognition on Second Language Learners”*
- 28 Dr. Ana Zobler, Assistant professor Dr. Frank LaBanca, Professor Dr. Marcia
Delcourt, Dr. Jean Delcourt
*“The Effects of Reading and Discussing Poetry on Fifth grade Students’
Motivation to Read and Vocabulary Achievement”*
- 29 Dr. Timothy Leonard, Associate Professor Dr. Kathryn Campbell, Professor
Dr. Karen Burke, Dr. Nicholas Kowgios, Education and Educational
Psychology- Instructional Leadership, WCSU
*“The Effects of Using Four Powerful Comprehension Strategies in a Gradual
Release Lesson Design and Learning-Style Preferences on Reading
Comprehension and Self-Perception of Struggling Readers”*
- 30 Assistant Professor Dr. Laura Mead, Professor Dr. Karen Burke, Dr. Lois
Lanning, Assistant Professor Dr. Jennifer Mitchell, Education and Educational
Psychology, WCSU
*“An Examination of an Early Intervention Reading Program Focusing on the
Progress Monitoring of Literacy Skills and the Reading Self-Concepts of
Struggling Readers”*

- Dr. Teresa Samuelson, Professor Dr. Marcia Delcourt, Dr. Gary Rosato, Dr. Jessica Devine, Education and Educational Psychology- Instructional Leadership, WCSU
- 31 *"An Investigation of the Relationship Between Learning Styles of Fifth Grade Elementary School Students and Their Music Composition Processes and Products"*
Dr. Nora Marrinan, Professor Dr. Thomas Cordy, Dr. Michael Hibbard, Professor Dr. Kevin Isaacs, Education and Educational Psychology- Instructional Leadership, WCSU
- 32 *"The Effects of an Anti-Cyberbullying Program on Decreasing the Number of Aggressive Experiences for Students While Using Digital Technology"*
Dr. Patricia-Ann Schullery Corso, Associate Professor Dr. Kathryn Campbell, Professor Dr. Karen Burke, Professor Dr. Robin Flanagan, Education and Educational Psychology- Instructional Leadership, WCSU
- 33 *"Effects of Fast Forward on Phonological Awareness and Rapid Naming Skills of At-Risk Students"*
Dr. Barbara Boller, Assistant Professor Dr. Deborah Hardy, Professor Dr. Marcia Delcourt, Education and Educational Psychology- Instructional Leadership, WCSU
- 34 *"Bringing "Education" into Focus: Highlighting Education's Role in Implementing National (Tele)communications Infrastructure In the United States"*
Assistant Professor Dr. Sousan Arafeh, Educational Leadership and Policy Studies, SCSU
- 35 *"Developing Teachers' Interdisciplinary Pedagogical Content Knowledge of Local Watersheds"*
Assistant Professor Dr. Jeff Thomas, Professor Dr. Marsha Bednarski, Physics and Earth Science, CCSU
- 36 *"Child Care Teaching as Gendered Work"*
Assistant Professor Dr. Miai Kim, Education, SCSU
- 37 *"Attitudes, Self-Efficacy, and Frequency of Use of the Arts by Secondary-Level Teachers in Schools Deemed Successful or In-Need-Of-Improvement Under the No Child Left Behind Act"*
Dr. Michael Obre, Associate Professor Dr. Gina Cicco, Professor Dr. Marcia Delcourt, Professor Dr. Karen Burke, Education and Educational Psychology- Instructional Leadership, WCSU
- 38 *"The Effect of Reflective Portfolio Use on Student Self-Reflective Skills in Science"*

- Dr. Jacob Greenwood, Professor Dr. Marcia Delcourt, Associate Professor Dr. Edward Duncanson, Dr. Robert Pauker, Education and Educational Psychology- Instructional Leadership, WCSU
- 39 *"Analysis of Virtual World as a Community of Practice"*
- Dr. Frank LaBanca, Education and Educational Psychology, WCSU
- 40 *"Enhancing Elementary Pre-Service Teacher's Science Content Knowledge"*
- Professor Dr. Marsha Bednarski, Assistant professor Dr. Jeff Thomas, Dr. LeeAnn Flynn, Physics Earth Science, CCSU
- 41 *"Student Interactivity in Distance Learning: Using Discussion Boards in BLS"*
- Instructor Ms. Jennifer DeFrance, Community college
- 42 *"Comparison of the Learning Styles of Students With Autism Versus Typical Elementary-School Students"*
- Dr. Diana Friedlander, Professor Dr. Karen Burke, Dr. Louis Favre. Dr. Barry Morgenstern, Education and Educational Psychology- Instructional Leadership, WCSU

English

- 43 *"The View from the Other Side: The Student (and/versus) Writer at CCSU"*
- Assistant Professor Dr. Heather Urbanski, English, CCSU

Engineering

- 44 *"Investigation of the Combustion of Non-Conventional Fuels in Hybrid Propellant Rocket Engine"*
- Associate Professor Dr. Viatcheslav Naoumov, Undergraduate Students Thomas Boyton, Alexander Haralambous, Engineering, CCSU

Health Professions

- 45 *"Applied Skills in Online Survey Design to Increase Response Rate in Health Behavioral Study"*
- Assistant Professor Dr. Anita N. Lee ECSU, Instructor Mei Lin Yeh-Lane, Department of Physical Education and Health Education, Springfield College

Nursing

- 46 *"Integration of Personal Digital Assistants in Nursing Curricula"*
- Assistant Professor Ms. Robin Goodrich, Associate professor Dr. Karen Daley, Nursing, WCSU
- 47 *"The Insider View: Promoting the Cultural Competence of Students in Family Illness Care"*

Associate Professor Dr. Ellen Abate, Professor Dr. Barbara Piscopo, Nursing, WCSU

48 *"Compassion Fatigue in the Home Care Nurse Caring for Chronic Long-Term Geriatric Patients"*

Graduate Student Ms. Laura Giovannoli, Nursing, WCSU

49 *"Relationship of Nurse to Patient Ratio, Length of Stay, and Nursing Burnout on Two Units"*

Assistant Professor Ms. Monica Sousa, Nursing, WCSU

Science

50 *"Mineralogy, Petrology, and Structure of Atlantis Massif, Mid-Atlantic Ridge"*

Assistant Professor Dr. Allison Weinstein, Environmental Earth Science, ECSU

51 *"Solution and Solid State Behavior of Copper Bis-Phenanthrolines - Solvation/Desolvation Equilibria"*

Assistant Professor Dr. Steve Watton, Undergraduate Students John Lusignan, Adam Krakowiak, Christopher Rosenberg

52 *"Oyster Tissue Mercury Contents in the Lower Housatonic River Estuary"*

Professor Dr. Vincent Breslin, Undergraduate Student Karen Thomas, Science Education and Environmental Studies, SCSU

Social Science

53 *"Facebook Usage by ECSU Students and Why it Matters"*

Undergraduate Student Ms. Erika Sgambato, Professor Dr. Doncho Petkov, Social Informatics minor, Social Work major, ECSU

Oral Presentations and Roundtable Discussion

NOTE: All presenters should have any audiovisual portions of their presentation loaded on the computer PRIOR to the start of their presentation. Speakers are limited to 15 minutes of presentation with 5 minutes of questioning. The person presenting the first talk is designated as the time keeper for the session.

Room 212 Arts & Humanities

9:00-9:20am *"Deprivation and Fullness: the Dietary Dialectics of Catherine of Siena"*

Assistant Professor Dr. Lisa Vitale, World Languages, Italian, SCSU

- 9:20-9:40 am *"Early Modern Women Forging the Visual Canon"*
Assistant Professor Dr. Meg Lota Brown, English, ECSU
- 9:40-10:00am *"Advice Giving in Higher Education is an "Enabler" for Black Males"*
Assistant Professor Dr. Truman R. Keys, Communication, WCSU
- 10:00-10:20am *"The Theory of Iconic Realism: Understanding the Arts through Cultural Context"*
Professor Ms. Jeanne Lakatos, Doctoral Candidate in the Humanities/ Adjunct Professor in School of Arts and Sciences, WCSU
- 10:20-10:40 am *"A Reading from The Hole in the Wall, Winner of the 2010 Milkweed Prize for Children's Literature"*
Associate Professor Dr. Lisa Fraustino, English, ECSU

Room 213 Education

- 9:00-9:20 am *"Preparing Classroom-Ready Teacher Candidates: Alignment of University Instructional Materials with District Reading Curricula and Assessments"*
Assistant Professor Dr. Maureen Ruby, Assistant Professor Dr. Brandon Monroe, Education, ECSU
- 9:20– 9:40 am *"Characteristics of Mathematically Talented Women Who Achieve at the Highest Levels on the SAT"*
Assistant Professor Dr. Nancy Heilbronner, Dr. Margaret O'Shea, Professor Dr. Sally Reis, Education and Educational Psychology, WCSU
- 9:40-10:00am *"The Stepping Stone Phenomenon: Exploring the Role of Positive Attrition in an Early College Entrance Program"*
Assistant Professor Dr. Nancy Heilbronner, Dr. Elizabeth Connell, Associate Professor Dr. Sally Dobyms, Professor Dr. Sally Reis. Education and Educational Psychology, WCSU
- 10:00-10:20 am *"Everyone Has a Story: A Collaborative Inquiry by Five Teacher Candidates of Color and One White Professor"*
Assistant Professor Dr. Laura Bower, Education, SCSU
- 10:20-10:30 am **BREAK**

10:30-10:50 am *"Conceptions and Misconceptions in Children's and Young Adult Literature of Genocide Since 1945"*

Associate Professor Dr. Jane Gangi, Ms. Isabelle Umugwaneza. Education and Educational Psychology, WCSU

10:50-11:10am *"Religious Affiliated Muslim Charter Schools: Challenges to the Role of Education in Assimiation and Integration of Youth into American Society"*

Professor Dr. Moses Stambler, Social Work, SCSU

11:10-11:30 am *"Insights into Five Centuries of Gender and Ethnicity Challenges To Women of Diverse Populations Serving in the American Armed Forces"*

Professor Dr. Leah G. Stambler, Education & Educational Psychology, WCSU

Room 214 Engineering/Nursing/Business

9:00-9:20am *"Identification of Servo-Flap Rotor Blade Design Parameters"*

Dr. Fu-Shang (John) Wei, Department of Engineering, Dr. Alfred Gates, CCSU

9:20-9:40am *"CCSU Moonbuggy-2 Senior Capstone Design Project, as a Road Map to the Successful Engineering Career and Effective Assessment"*

Associate Professor Dr. Viatcheslav Naoumov, Associate Professor Nidal Al-Masoud, Dr. Jeffrey Cloutier, Engineering, CCSU

9:40-10:00am *"Experiences of U.S. Military Nurses in the Iraq and Afghanistan Wars, 2003-2009"*

Associate Professor Dr. Mary Ellen Doherty, Elizabeth Scannell-Desch, Nursing, WCSU

10:00-10:20am *"The role of knowledge transfer and network relationships for stimulating growth in the professional services sector"*

Professor Dr. Katalin Eibel-Spanyi, Associate Professor Dr. Susan Freeman, Business Administration, ECSU

Room 315 Roundtable Discussion/Math & computer Science

Roundtable Discussion

9:00-9:50 am *"Identification and Mentoring of Gifted Children in India"*
Professor Dr. Marcia Delcourt, Associate Professor Dr. Jyoti Sharma, Associate
Professor Dr. Anitha Kurup, Education and Educational Psychology, WCSU

9:50 – 10:00am **BREAK**

Math & Computer Science

10:00-10:20am *"Analytical Solution to a Highly Nonlinear Earth-Satellite Pitch Attitude Libration Equation"*
Associate Professor Dr. Anthony Aidoo, Assistant Professor Dr. Emmanuel Osei-Frimpong, Professor Dr. Anthony Amos, Mathematics and Computer Science, ECSU

10:20-10:40am *"ESRATEA Educational Software for Recursive Algorithm Time Efficiency Analysis"*
Associate Professor Dr. Irena Pevac, Computer Science, CCSU

10:40-11:00am *"Cardinal Invariants for k -box Products"*
Professor Dr. Ivan Gotchev, Mathematical Sciences, CCSU

11:00-11:20am *"Parallel and Distributed Sequence Analysis"*
Professor Dr. Fatemeh Abdollahzadeh, Computer Science, CCSU