CSCU FACULTY RESEARCH CONFERENCE SCHEDULE

7:30-12:00 REGISTRATION & BOOK EXHIBIT (Social Sciences Hall 123)

OPENING REMARKS (8:15) (Social Sciences Hall, First Floor Foyer)
Jane McBride Gates, Provost & Senior VP for Academic & Student Affairs, CSCU

FIRST PANEL SESSIONS (8:25-9:40) (*denotes session chair)

Connecticut Culture (Social Sciences Hall 111)
1.11  Renata C. Vickrey* (CCSU)
      The Local Polish Community in Action: Polish Studies Program at CCSU
1.12  Katherine Hermes and Alexandra Maravel (CCSU)
      ‘Finding the Onepennies among the Wongunk’
1.13  Sheldon Watson and Teresita Galarza (CCSU)
      The Puerto Rican diaspora and American pluralism: A case study of Borinquea mothers
      in Hartford, CT
1.14  Edward Z Moore (CCSU) and Dowin Boatright, David Ross, Patrick O’Connor, Marcella
      Nunez-Smith (All Yale School of Medicine)
      Racial Disparities in Alpha Omega Alpha Membership

Political Institutions (Social Sciences Hall 109)
1.21  Ghassan E. El-Eid (CCSU)
      The Rise of ISIS: Options and Challenges
1.22  Paul Petterson (CCSU)
      The Trump Administration: At War With Politics?
1.23  Robbin Smith  (CCSU)
      Revisiting the 2016 Election
1.24  Diana Cohen* (CCSU)
      Inside Sport Politics: The Case of Women’s Professional Cycling.

Geological Sciences (Social Sciences Hall 105)
1.31  James Tait, Mathew Connors, Shannon Bronson, Lara Bracci & Ryan Becker (SCSU)
      Wave Energy Asymmetry, Seawalls and Beach Erosion on a Fetch-Limited Shoreline
1.32  Dickson Cunningham  (ECSU)
      Mountain Building Processes in Continental Interiors: Lessons from Central Asia
1.33  Michael Wizevich*, Melissa Luna & Jacqueline Giblin (CCSU)
      Sediment Source Areas of the Mesozoic Hartford and Pomperaug Rift Basins of
      Connecticut

Business I (Social Sciences Hall 211)
1.41  Niti Pandey (ECSU)
      Stakeholder identification versus stakeholder identity: An employee-centric model
1.42  Olga Petkova, Hannah Hurwitz & Aileen Yeager (CCSU)
Implementation of a Service-Learning Framework in Management Information Systems Course
1.43 K. Niki Kunene, Kamila Zysk, and Mame-Fatou Diop (ECSU)
The volitional adoption and non-adoption of electronic Personal Health Records (PHRs) by consumers
1.44 Joo Eng Lee-Partridge*, Kimberly Maron, Steven Treschitta & Sandra Walker (CCSU)
Using Data Analytics to Find Opportunities to Improve a Museum’s Attendance

Improving Student Success (Social Sciences Hall 209)
1.51 Lee Einhorn (CCSU)
DWF Rates: What they can--and cannot--tell us
1.52 Keith Michael Hughes* (CCSU)
The Effect of Academic Coaching on Student Retention at one New England Community College
1.53 Hak Joon Kim, Carol Geary & Arlene Bielefield (SCSU)
Bullying in the Library Workplace
1.54 Melvin Joseph Gerald Lesley, David Nelson, Mark Pineau, Michael Taylor, Alia Green, Colleen Welsh, Ericka Barnes, James Kears, Albin Salazar & Cara Savino (SCSU)
An Undergraduate Laboratory Experience In Inorganic, Computational and Instrumental Chemistry

Nursing (Social Sciences Hall 205)
1.61 Kimberly Petrovic (SCSU)
Benefits of Taekwondo Training for Undergraduate Students at SCSU: A Phenomenological Study
1.62 Jennifer Ann Ort (WCSU)
Accountability among Baccalaureate Nursing Students: Definitions, Perceptions, and Engagement Practices
1.63 Leona Konieczny and Catherine S. Thomas (CCSU)
A Program Innovation: Connecting Service Learning to University and Department Mission and Outcomes
1.64 Kimberly Petrovic* (SCSU)
A Case Study on Nursing Student Involvement in Social Justice Week: Reported Findings

Engineering I (Social Sciences Hall 206)
1.71 Khaled J. Hammad (CCSU)
Suddenly Expanding Non-Isothermal Viscoplastic Flows
1.72 Reza Ghodsi (CCSU)
Invasive Weed Optimization Algorithm for minimizing total weighted earliness and tardiness penalties
1.73 Luz Amaya-Bower (CCSU)
Numerical Simulation of Bubble Formation in a Microchannel Using a Micro-Pillar
1.74 Zbigniew Prusak* (CCSU)
Introduction to Global Engineering Through Use of Standards and Cultural Differences
**Computer Science I (Social Sciences Hall 202)**

1.81  Lazar Pevac (Tunxis CC)  
On raster image rotation algorithms

1.82  Krishna K Saha (CCSU) and Suojin Wang (Texas A&M)  
Comparing Success Rates of the Chemotherapy Treatments for the Patients with Multiple Myeloma

1.83  Garrett Dancik (ECSU)  
Cancer bioinformatics at Eastern: building computational tools for genomic analysis and education

1.84  Kehan Gao* (ECSU) and Taghi M. Khoshgoftaar (Florida Atlantic U)  
Exploring Sampling-Based Feature Ranker Ensembles for Software Quality Classification

**POSTER SESSIONS/COFFEE BREAK (9:45-10:15)**

**Social Sciences Hall 106 (performances at 9:45 and at 10:00)**

2.00  Charles Menoche & The CCSU iPad Ensemble  
Meet the CCSU iPad Ensemble: Performances of New Music for a New Sort of Chamber Group

**Social Sciences Hall 125**

2.011  Allison Conley (ECSU)  
Wasting 30 Days

2.012  Vicente Garcia and Scott Bartley (CCSU)  
From the Computer to the Pedestal

**Social Sciences Hall, First Floor Foyer**

2.02  Michael Knell and Jonathan Weinbaum (SCSU)  
A new highly productive bonebed of the aetosaur Typothorax

2.03  Vincent Breslin (SCSU)  
Plastic Microbead Contamination in Long Island Sound Coastal Embayments

2.04  Jennifer L. Piatek (CCSU), Ian Murphy (CCSU), Livio L. Tornabene (U of Western Ontario) & Nadine G. Barlow (Northern Arizona U)  
Thermophysical Characterization of Well-Preserved Impact Craters on Mars

2.05  Michael Wizevich (CCSU), Christian Meyer (Naturhistorisches Museum Basel, Switzerland) & Andreas Wetzel (Basel U)  
Geology of Triassic Dinosaur Trackway Localities of the Eastern Alps, Switzerland

2.06  Sarah E Maurer (CCSU)  
Role of lipids in the origins of life

2.07  Thomas R. Rein (CCSU)  
Exploring the influence of locomotion and evolutionary history on the shape of fragmentary fossils

2.08  JiongDong Pang and Abigail Wiegand (SCSU)  
Testing Fresh Produce and Processed Plant Foods in Connecticut for Genetic Modification

2.09  Binlin Wu, Xin Gao, Jason Smith and Jacob Bailin (SCSU)
Rapid measurement of meat spoilage using fluorescence spectroscopy

2.1 Binlin Wu (SCSU)
Optical biopsy using fluorescence spectroscopy for prostate cancer diagnosis

2.11 Binlin Wu, Jason Smith and Jacob Bailin (SCSU)
Discrimination of basal cell carcinoma and normal human skin tissues using Resonance Raman Spectroscopy

2.12 Rahul Singhal (CCSU), Sam Chiovoloni (CCSU), Cristaly Moran (NVCC) & Peter K. LeMaire (CCSU)
Process optimization of LiMn2-xFexO4 (0 ≤ x ≤ 0.5) cathode materials for chargeable batteries

2.13 Dennis W. Dawson (WCSU)
A Tale of Two (Close Binary) Systems

2.14 Steven Kirstukas and Luz Amaya-Bower (CCSU)
Comparison of a Computer-Based Grading Scheme to a Manual Rubric for Assessing Solid Models

2.15 Pankaj Nagpal (CCSU)
Use of Case study assignments in Undergraduate and Graduate Accounting Courses

2.16 Catherine S. Thomas and Nancy E. Peer (CCSU)
Use of Technology in a Pilot Peer Tutoring Program

2.17 Karen J. Riem, Carol Ciotto & Claude Abbott (CCSU)
Welcome to the Virtual Social-Emotional Academy: Integrating Information Technology in Teacher Education

2.18 Doncho Petkov (ECSU)
On Combining Work System Method and Soft Systems Methodology in IS Development

2.185 Roland DePratti, Garrett M. Dancik, Fred Lucci & Russell D. Sampson (ECSU)
Development of an Introductory Big Data Programming and Concepts Course

2.19 Sukeshini A. Garndhi and Nicole Lupien (ECSU)
No! That’s Not How I Use Social Media: Understanding Non-Use Of Social Media Among Young Adults.

2.2 Divya Sharma and Kim Marino (WCSU)
Youth Development Unit at Garner Correctional Institution: Methodology, Findings and Conclusions

2.21 Tatiana Melendez-Rhodes (CCSU)
Breast cancer: Clinical implications for marriage and family therapists

2.22 Stacy Christensen (CCSU), Linda Wagner (U of Bridgeport) & Melissa Coleman (CREC)
The Lived Experience of Having a Rare Medical Disorder: Hermansky-Pudlak Syndrome

2.23 Matthew Orange and Cassandra Forsythe (CCSU)
Normative Data for Push-ups in the Standard Position in Females

2.24 Mary Patricia Lamberti and Victoria Zigmont (SCSU)
Sleep Quality in Full time Employed College Students

2.25 Victoria A. Zigmont, Peggy Gallup & Stephen Tomczak (SCSU)
Food Insecurity among Undergraduates at (SCSU) & Opportunities for Future Programming on Campus
Effect of Calcium and Magnesium Lactate Supplementation on VO2peak and OBLA

2.27  Chee Hoi Leong, A.G. Schifino, A.I. Weiler & F. L. Diaz (CCSU)
Effect of 6 Weeks of Eccentric Cycling Training on Walking Economy in Healthy Individuals

2.28  Cheryl Green (Yale-New Haven Hospital/SCSU)
Applying the Nursing Process to Enhance Accuracy and Timeliness of Documentation Entry into the Electronic Medical Record

SECOND PANEL SESSIONS (10:20-11:35) (*denotes session chair)

Gender, Ethnicity & Sexuality (Social Sciences Hall 111)
3.11  Christina Barmon (CCSU)
Successful Sexual Aging: Privilege and Disadvantage in Current Definitions and Measurements

3.12  Steve Muchiri (ECSU)
Social Cash Transfers and Measures of Well-being: Does Gender Matter?

3.13  Laura Bower-Phipps (SCSU)
Responding to Heteronormativity: Lesbian, Gay, Bisexual and Asexual Preservice Teachers’ Aspirations

3.14  Mary Collins* (CCSU)
At the Broken Places: A Mother and Trans Son Pick Up the Pieces

Challenges in New Media, Marketing, and Sports (Social Sciences Hall 109)
3.21  Ari C. de Wilde (ECSU) and Chad Seifried (Louisiana State U)
Sport History and Sport Management in the United States: Opportunities and Challenges

3.215 Rotua Lumbantobing (WCSU)
Postseason Outcomes in the NBA: Does a Longer Opening Round Mean Fewer Upsets

3.22  Yeojin Kim (CCSU), William J. Gonzenbach (U. Alabama), Chris J. Vargo (U. Colorado Boulder) & Youngju Kim (U. Alabama)
First and Second Levels of Intermedia Agenda Setting: Political Advertising, Newspapers, and Twitter

3.23  Jodie Mozdzer Gil (SCSU)
Restricted Access: A review of Freedom of Information exemptions in an era of privacy concerns

3.24  Mark Cistulli* and Jason Snyder* (CCSU)
Parent Compassion and Military Advertising

Cultural Intersections in Drama, Music & Thought (Social Sciences Hall 205)
3.31  Mathew Foust (CCSU)
Emerson and Chinese Thought

3.32  Shouhua Qi (WCSU)
Adapting Western Classics for the Chinese Stage

3.33  Galina Bakhtiarova (WCSU)
Ritmo Latino: Xavier Cugat and Popular Music in the USA
3.34 Timothy Cochran* (ECSU)
'Crying Out With Life and Truth': Simulating Immersion in Messiaen's Des Canyons aux Etoiles

Environmental Sciences (Social Sciences Hall 105)
3.41 Sourav Chakraborty (CCSU)
Understanding Induced Resistance in Trees: Chemical Ecology of Ash (Fraxinus spp.) and Invasive Insects
3.42 Nimmi Sharma (CCSU) and John E. Barnes (NOAA/ESRL/Global Monitoring Division)
Laser Radar Detection of Long-Range Atmospheric Dust Transport
3.43 Jennifer Brown (ECSU)
The Effect of Air Quality on Infant Morbidity: Evidence from Temperature Inversions in the Rocky Mountains
3.44 Oluyinka Oyewumi*, Maxwell Meadow & Alison Weinsteiger (CCSU)
Geochemical Assessment of Trace Elements Concentration in and Rock Units Across Lebanon, CT

Business II (Social Sciences Hall 211)
3.51 Niti Pandey and Julia Underhill (ECSU)
Women, Strikes, and the Early Labor Movement
3.52 Heidi Hughes (CCSU)
Looking Inside Social Capital
3.53 Yan Quan Liu and Arlene Bielefield (SCSU)
Current Market Demand for Core Competencies of Librarianship
3.54 Matthew C. McGrath* (CCSU)
The Benefits of Benefit LLCs

Flipped Classrooms (Social Sciences Hall 209)
3.71 Barry Sponder (CCSU)
Training Indian University Professors to Use Flipped Learning Instruction
3.72 Barry Sponder and Lisa Pergolizzi (CCSU)
Action Research on the Flipped Classroom: From (CCSU) To Cromwell Middle school
3.73 Luz Amaya-Bower and Steven J. Kirstukas (CCSU)
Effect of Video-Guided Tutorials in a Standard Curriculum and in a Flipped Classroom for a CAD Class
3.74 Rae C. Schipke* (CCSU)
Toward an Understanding of How Social Media Can Improve the Flipped Classroom

Engineering II (Social Sciences Hall 206)
3.81 Reza Ghodsi and Luz Amaya-Bower (CCSU)
A Novel Design For Vertical Axis Wind Turbine
3.82 Khaled J. Hammad (CCSU)
Particle Image Velocimetry Study of Turbulent Flows Over an Open Cavity
3.83 Fu-Shang (John) Wei (CCSU)  
Servo-Flap Rotor Design for High Density Altitude Operation

3.84 Thomas J. Vasko* (CCSU)  
A Comparison of Monolithic and Layered Plate Configurations for Containment

**Computer Science II (Social Sciences Hall 202)**

3.91 Irena Pevac (CCSU)  
Illustrating Polymorphism via Inheritance and Polymorphism via Interfaces

3.92 Robert Workman and Winnie Yu (SCSU)  
Introducing Coding Using the Python Programming Language

3.93 Sixia Chen (CCSU), Alexander Russell (UConn), Abhishek Samanta (Northeastern U) & Ravi Sundaram (Northeastern U)  
Deterministic Blind Rendezvous in Cognitive Radio Networks

3.94 Neli Zlatareva* (CCSU)  
Building Applications for the Semantic Web

**THIRD PANEL SESSION (11:45-1:00) (*denotes session chair)**

**New Dimensions in the Arts: Design, Technology, and Music (Social Sciences Hall 106)**

4.11 Wujun Wang* and Eleanor Thornton (CCSU)  
How Much Can You See? Students Improving Their Observational Skills In Design Foundations

4.12 Charles Menoche (CCSU)  
New Music Notations: 3D Printing Solutions to Get 'In Touch' With The (Musical) Tablet

4.13 Wujun Wang (CCSU)  
From Craftsmanship To 3D Render: A Hybrid Package Design Experiment.

4.14 Tina Rice and Eleanor Thornton (CCSU)  
The Skinny Grid: Contemporary web development for graphic information design

**Social Problems in the 21st Century (Social Sciences Hall 111)**

4.21 Amy B. Smoyer (SCSU)  
The Prison Nourish Project: Food in the lives of HIV-positive prisoners

4.22 Katherine Hermes (CCSU), Cheryl Meyer (Wright State U), Tarnish Irani (Buffalo State U)  
Explaining Suicidal Motivation, 1617 to 2017 and Beyond

4.23 Yonty Friesem and Damiola Opayemi (CCSU)  
Media Production as Social Interventions

4.24 Christopher Pudlinski* (CCSU)  
Moments of silence on a peer support warmline

**Health & Chemistry (Social Sciences Hall 105)**

4.31 Erica E Watson (U. of St. Joseph)  
Utilizing Social Settings to Detect and Prevent Cardiovascular Disease in African-American Patients
Factors affecting individual variation in the predisposition to develop diet-induced obesity in mice

Investigations of Catalyzed Diboration and Tetraboration of Alkynes and Diynes

Thermal Studies of Sweeteners

The Qualified Residence Interest Deduction: Much Ado about Unmarried Co-Owners

Understanding and Trading the Term Structure of Volatility

Earnings Management Within Bank Holding Companies

The Dynamics of Capital Structure in Newly Formed Business

Viewing Connecticut's SEED teacher evaluation model through the lens of self-determination

Intervention and Remediation Before Taking the Connecticut Foundations of Reading Test

Delayed high school start times later than 8:30 AM and impact on graduation rates and attendance rates

One Psychology Department's Curricular Assessment Initiative

Effects of Realistic Heat Straightening Repair On Damaged Steel Beam Bridges

Investigating Mechanisms that Stimulate Soil Remediation by Bacteria in the Plant Root Zone

Transportation Project Delivery

Submerged Viscoplastic Non-Newtonian Jets
Mathematical Sciences (Social Sciences Hall 205)
4.71 Patrick Starvaggi (SCSU)
   On the Distribution of Exit Times Similar to Wald's SPRT for the Negative Exponential
   Model
4.72 Mizan R. Khan (ECSU) and Karen Rogers (Emory U)
   On White's characterization of empty lattice tetrahedra
4.73 Ivan S Gotchev (CCSU)
   Cardinal Inequalities for Topological Spaces
4.74 Christian Yankov* (ECSU) and Oleg Mushkarov (Bulgarian Academy of Sciences)
   Existence of Holomorphic Functions on Nilpotent Lie Groups

FEATURED SESSION: A Discussion on Research at the Connecticut State Colleges &
Universities (Social Sciences Hall 109)
4.80 Rod Waterman*, Director, Grants & Funded Research, CCSU
   Stan Kurkovsky, Professor and Chair, Computer Science, CCSU
   Amy Taylor, Director, Sponsored Programs & Research, SCSU
   Winnie Yu, Professor, Computer Science, SCSU

LUNCH/CLOSING REMARKS (1:00-2:15, Constitution Room, 2nd floor of Memorial Hall)
   Zulma Toro, CCSU President