Keynote:
Biomedical Music Techniques: Overview and Collaborative Research Opportunities

Dr. Martha Summa
Executive Director of Music Therapy Gateway in Communications

12:30-1:00 in Nesbitt 3110
Panel Session 1: 9:00-10:15

The Power of Orality in Multicultural American Literature | NESBITT 3101 | Moderator: Emile Phommavongsy

Jennifer Hightower, Will the Page Be Colored?: Understanding Toni Morrison’s “Recitatif” through the lens of Langston Hughes’s “Theme for English B”

Rachel Glazer, The Power of Orality in Leslie Marmon Silko’s “Storyteller”

Jane Clifford, The Power of Words: Leslie Marmon Silko’s Use of Chant and Oral Tradition in Storyteller

Gene Expression and Bacteria | NESBITT 3203 | Moderator: Caroline Brown

Margaux Usry, Gene Expression Controlling Synaptic Plasticity Following Adolescent Exposure to ADHD-Medications in a Murine Model

Sean Magee, Comparison of Efficacy of Alcohol Versus Non-Alcohol Based Antiseptic Mouthwashes in Growth Inhibition of Periodontal Disease and Dental Caries Causing Buccal Bacteria

Sarah Russell, Antibiotic Resistant Bacteria on Antibiotic Treated Piglets

Rachel Perez, Dermestes maculatus as a Model for PMI Estimation

Histories Near and Far: From Dahlonega to England | NESBITT 3204 | Moderator: Jesse Ladanyi

Christian Shirley, Slaves and Their Impact on Lumpkin County Economics

Jessica A. Stehlin, Kadee L. Spears, Margaret E. Riches, Investigating Dahlonega’s Historic Yahoola High Trestle (9LU52, The Hand-Ditch)

Carly McCurry, In the of the Tower: the Tudor Queens

Gender Studies and American Literature | NESBITT 3218 | Moderator: Tara Heimberger

Amber Nelms, The Yellow Wallpaper: A Discussion of Mental Healthcare, Feminism, and Gender Roles Under the Guise of the Supernatural

Hannah Quinton, Lost Patriarchs: The Destruction of Traditional Masculinity in Modern Society Portrayed in Tender is the Night, The Sound and the Fury, and The Sun Also Rises

Krista Lewis, The Lesbian Continuum and Trauma as Expressed by Toni Morrison’s Sula
Panel Session 2: 10:15-11:30

Creativity and Movement | NESBITT 3101 | Moderator: Jesse Ladanyi

- **Melissa Simpson**, Analyzing the Generative Mechanisms that Provoked the Disney Animators’ Strike of 1941 and the Subsequent Formation of the UPA
- **Paul Wolak**, Portrait of a Composer for the 21st Century
- **Daniel Gordon**, Shadows, Day and Night

Rhetoric and Technology | NESBITT 3203 | Moderator: Caroline Brown

- **Ariana Hanshaw**, Corporate Empathy in 140 Characters or Less
- **Victoria Payne**, Grammar, Technology, and a Bit of Evolution

Artificial Consciousness and the Rise of Robots | NESBITT 3204 | Moderator: Emile Phommavongsy

- **Jenna Davidson**, End of Humanity
- **Jennifer Dickerson**, Artificial Consciousness: What is it?
- **Kenneth Malaney**, Applications of Conscious Humanoid Robots
- **Kristian Knowles**, The Ethics Surrounding Artificial Consciousness in Humanoid Robots

Multiethnic Literary Studies | NESBITT 3217 | Moderator: Jan Willing

- **Emmy Dixon**, Frederick Douglass: ‘Transcending Slavery’
- **Alexandra Aurand**, Oppressive Heroes and Submissive Victims: How Oppression is Perpetuated in Nora Okja Keller’s Comfort Woman and Margaret Atwood’s The Handmaid’s Tale
- **Laura Price**, Native American Rhetoric: How and Why Is It Important?
- **Aaron Hubbard**, “Excuse Me... Who Are You?”: Strain Theory and Storytelling in Perfect Blue and Black Swan

Examining Gender Formation | NESBITT 3218 | Moderator: Rachel Glazer

- **Kaitlyn McLaughlin**, Gender attitudes and gendered behavior: An examination of the factors that predict endorsement of traditional gender roles
- **Ethan Jordan**, Guitar Strings and Broken Jukeboxes: Applying Feminist Criticism to Classic Country
- **Brittany Barron**, “I Do Feel Such a Bitch” Lady Brett Ashley’s Trauma and Androgyny in Ernest Hemingway’s The Sun Also Rises
POSTER SESSION
CLEVELAND BALLROOM - MARTHA T. NESBITT 3110 - 11:30-12:30

1. Intertwining Aesthetic Design and Functionality
   THOMAS D. FRANKLIN

2. Video Gaming As an Escape
   CHRISTIAN D. KREITZ

3. Beyond The Nursery Walls
   ALEXIS INGRAM

4. Zinc Accumulation in the Midbrain Following Methamphetamine Exposure as a Potential Biomarker for Neurodegeneration
   ALYSSA G. THOMPSON

5. Understanding the Hurdles That College Students Face When Reading Primary Literature
   KRISTEN HOWARD

6. Implementing Additional Negotiation Techniques for Ell Conferencing
   CASTIEL DIXON

7. Measurement of Stream Health Based On Invertebrate Populations in Balus Creek
   HOLLY M. MIZE, ABBY ENGLISH, MATEJA LANDGRAF, SAVANNAH LUPIES

8. The P300 Components in a Three-Stimuli Auditory Oddball Paradigm
   LYNN CAMERON, PHILIP BRUST

9. Understanding the P300 and Its Components in a Three-Stimulus Visual Oddball Task
   PHILIP D. BRUST

10. Whisper – An Effective Use of Anonymous Persuasion?
    RACHEL A. GRUNKEMEYER

11. Searching For Neverland
    MEGAN B. RAY

12. Abundance and Sex Ratios of Parrotfish among Various Reef Sites of Calabash Caye, Belize
    DONNA K. MCCULLOUGH, KIMBERLY T. WRIGHT, ELLEN C. TOMLIN

13. Home Range and Habitat Use of Eastern Box Turtle (Terrapene Carolina) In the North Georgia Piedmont
    KRISTA M. VALETUTTO, BIANCA GEDEON

14. Effect of Wound Depth on Decomposition Rate and Species Composition of Carrion-Feeding Diptera
    HOLLY L. MUNRO

15. Reducing the Cost of Salmonella and E. Coli Diagnostics in Georgia’s Poultry
    HEATHER KOREY

16. The Role of Hunger on Mate Selection
    CRISTINA M. ESCOCHEA

17. The Effect of Heat on Different Life History Stages of the Endoparasitic Wasp Copidosoma Floridanum
    ANDREW A. SHIRLEY

18. Feeding Selectivity of Tetrahymena Pyriformis with the Use of Charged Latex Beads
    RACHEL A. PEREZ MISS, ASHLYN COFFEY

19. The Odds of Outliers Are Ever In My Favor/ The Limitations of Foucault’s Panopticon as Seen in the Hunger Games
    CAITLIN L. SANFORD, AUDRA D. HALL

20. Native American Rhetoric and Misinterpretations
    HALEY L. POTTER

21. The Effects of the Carotenoid B-Carotene on the Immune Response of Trichoplusia Ni
    KAMERON CLARK

22. Deep Learning and Neural Networks Used For Chinese Handwritten Optical Character Recognition
    RYAN MCCAGUEHEY

23. The Effect of Nutrient Pollution on Aquatic Life
    JANCY O. BURGE, FATIMATOU Z. NDIAYE, LESLIE O. FRUCHE

24. Non-Preference of the Catalpa Sphinx, Ceratoma Catalpae (Lepidoptera: Sphingidae) To Invertebrate Predators
    STEPHANIE BRANDYS, LEAH ORANGE, DIANA PORRAS
25. Field Surveys for the Detection of Chytridiomycosis in North Georgia Amphibian Populations
   SPENCER L. CRUZ, JASON NATIONS, STEPHANIE FRIZZELL

26. Geranylgeranyl Transferase and Pax1-Like Interacting Protein in the Social, Parasitic Insect Copidosoma Floridanum (Hymenoptera)
   SONIA ALCANTAR, JOSHUA SHIRLEY

27. Detection of Chytridiomycosis from Field Samples in North Georgia Amphibian Populations
   KELLY J. BECKER, JULIANNE M. PUGH, JOSHUA B. FULLER

28. Effects of Dietary Carotenoids on Carotenoid Sequestration by Trichoplusia Ni
   KIEU OANH T. NGUYEN

29. Mind Controlled Drones: Training EEG Signals to Control Drone Flights
   JEANETTE M. FREEMAN, STEVEN DODD

30. Determination of the Chemical Profile of Methanol Extracts of the Yellow – Striped Oakworm
    REEMA PATEL, JUSTIN ELLENBURG

31. A Method Development Column Chromatographic Separation of Methanol Extracts From Yellow – Striped Oakworm
    REBEKAH POSEY, JESSICA L. HOWELL, MIKAELA MELNYCHUK

32. Effects of Catalpa Sphinx Herbivory On Defensive Chemistry of Catalpa Trees
    ANSLEY E. CURRY, WESLEY A. TURNER

33. Measurement of Percent Utilization of Hops for Brewing Quality Control Methods
    ASHLEY MARIE BUTLER, NATE SPERLUNTO, ROYCE DANSBY-SPARKS

34. Effects of Adolescent Exposure to Methylphenidate and Amphetamine on Conditioned Place Preference in Adulthood
    VY TRAN

35. Education Back At the Crossroads: Intersectionality as a Framework for Strengthening Teacher Education
    KIM B. GRIFFIN

36. Testing Antibiotic Resistance in the Biofilms of a Heavily Impacted Stream in North Georgia
    MARK A. MOLINARO, TUYETNHU PHAM

37. Development of Calibration Standards for Use in Determination of Lead in Soils by X-Ray Fluorescence
    CORINA LUPSE, JERRY ALLISON, PAULA NOLIBOS

38. Nert Temperature-Gain Calibration
    TAYLOR THOMPSON

39. NERT Intro-Astronomy Lab and Solar Radio Flux Monitoring Project
    DAMIEN PARSONS, JOSH KING

40. Branding Cues and Millennial Consumer Behavior
    CORI A. HOSCH

41. Gesture Analysis for Yoga Alignment
    NATALY GONZALEZ

42. Male and Female Differences Regarding Buffers to STEM Fields
    RACHAEL A. BRYANT, JENNIFER HIGHTOWER

43. Assessment and Improvement of Microbial Quality of Fresh Produce
    GRACE JULIET COOPER, SAVANNA KAITLYN MCKINNEY

44. Creative Symbolism in David Mazzuchelli’s Asterios Polyp
    ALEXANDER G. YOUNG

45. Stress, Anxiety, and Resident Assistants
    HANNAH M. DYCUS, ALLISON K. MCMAHAN

46. Durango, Mexico
    NATALY MORALES VILLA MS.

47. Are Introverts Smarter Than Extroverts?
    NATASHA TROTSIOUK, JAY KLEIN, EMMA ALEKSANDRUK, DEREK DODD, KELLY KILMAN, MACY DAVIDSON

48. Pollinator Dependency
    EMMA A. ROGERS, JOHNA MORGAN, HOPE MIZE, MAHNOOR KAMRAN

49. Effects of Food Deprivation on Parasitism in the Wasp, Copidosoma Floridanum (Hymenoptera)
    MACYE E. COOPER

50. Gene Expression Alterations Following Adolescent Amphetamine and Methylphenidate Exposure in C57Bl/6J Mice
    FRANK VENTURA

51. Quorum Sensing Inhibition by a Novel Pyrrolobenzodiazepine Analog
    ERIN SHAY, JAIIRUS MAYWEATHER
Panel Session 3: 1:30-2:45

Implications of Human Cloning | NESBITT 3101 | Moderator: Justin Mueller

- Savannah Myers, *The Implications of Human Cloning*
- Daniella Hernandez, *The Ethical Ramifications of Human Cloning*
- Maddux Clancey, *Defining the Identity of a Human Clone*
- Tawny Tuccitto, *Human Cloning for Personal Gain*

Identity, Orientalism, Myth and Overcoming Oppression | NESBITT 3203 | Moderator: Amy Shim

- Ross Ellison, *Aspects of Hispanic Culture and Identity in Quebec City*
- Anita Renfroe, *Aladdin and Orientalism*
- Lindsey Smith, *How African American Slaves Created a Culture that Defied Their Oppressors*

Environmental Science and Hydrology | NESBITT 3204 | Moderator: Woody Depew

- Rayanna Seid, *An Investigation of Fluorescence in the Aquatic World*
- Reema Patel, *Quantification of Multidrug Resistant Microorganisms in Treated Sewage Water*
- Sarah Owczarek, Lindsay McCuen, *Extended-spectrum beta-lactamase-producing Enterobacteriaceae in Flat Creek Water Reclamation Center.*

Commemorating World War I in Literature | NESBITT 3217 | Moderator: Julia Gosnell

- Jane Clifford, *West and Woolf’s Women Left Behind: Comparison and Analysis of Post-War Trauma, Psychology, and Socioeconomics*
- Emily Shepard, “Terrorism and the Mandate System: The Long-Term Effects of World War I”
- Olivia Ferrara, *Coping with PTSD Then and Now*
- Matthew Johnston, *The Perseverance of Humanity in World War I*

Analyzing Literature through Science and Technology | NESBITT 3218 | Moderator: Brittany Barron

- Caroline Brown, *The Reality of Perspective*
- Cindy Bell-Hulsey, *Literary Cartography on Fitzgerald’s, “The Ice Palace”*
- Erin Hagebusch, *The Value of Literary Cartography*
- Fletcher Estock, “The Yellow Wallpaper:” A Look into Early and Misused Physical Therapy
Panel Session 4: 2:45-4:00

Innovations in Literary Studies: Jane Austen to Karen Yamashita | NESBITT 3101 | Moderator: Brittany Barron

- **Rachael Bryant**, *Discerning the Attraction of Jane Austen’s Literary Heroes*
- **Tara Heimberger**, *Lack of Progress in Treatment of Migrant Workers from The Grapes of Wrath to The Devil’s Highway*
- **Michelle Gilstrap**, *To the Trees: Sex and Escape in Welty’s the Golden Apples*
- **Jan Willing**, 1997 A Space Odyssey – Presenting Results of a Literary Cartography Class

Innovations in Computer Science | NESBITT 3203 | Moderator: Savannah Lupes

- **James King**, *Input and Output Optimization in Linux for Appropriate Resource Allocation and Management*
- **S. Singh**, *Quant methods for kids: AI math teacher (AIMteacher)*
- **James King**, *Sino-Cyber Espionage: An Introduction to the Exploits of Units 61398 and 61486 in the People’s Liberation Army of China*

Innovations in Criminal Justice | NESBITT 3204 | Moderator: Justin Mueller

- **Morgan Mathis**, *An Artist’s (Abbreviated) Guide to Intellectual Property in a Technological Environment*
- **Rebecca Tibbs**, *Police Corruption: Dishonoring the Badge*
- **Austin O’Neill**, *The Effects of False Confessions on the Criminal Justice System*
- **Matt Caudell**, *The Process Model and the Stagnation of New Public Policy: An Analysis of the Terri Schiavo Case*

Innovations in Psychology and Physics | NESBITT 3217 | Moderator: Woody Depew

- **Meredith A. Russell, Natasha Trotsiouk, Alexis West, Alex Bowen, Emma Aleksandruk**, *Moral Injury*
- **Amanda Kennell**, *Filtering Out Pesky Air Pollutant with X-Ray Fluorescence*

Innovations in Mathematics | NESBITT 3218 | Moderator: Vanessa Valencia

- **Vinh Bui, Dana Deering**, *Relief Package*
- **Timmothy Parmer**, *A Minimal Completion of Double Substochastic Matrices*
- **Victor Raykov, Pedro Lozada**, *Range of a Projectile with Air Resistance*
- **Andrew Madsen**, *Crack Growth Rate for Ideal and Non-Ideal Sink for Hydrogen Diffusion Model*