POSTER PRESENTATIONS

1. WAVELET DOMAIN DENOISING AND DETECTION OF MANATEE VOCALIZATIONS
   Berke M. Gur (Christopher Niezrecki)
   Mechanical Engineering

2. LOW VOLTAGE BEHAVIOR AND ELECTRO-OPTICAL SWITCHING PROPERTIES OF DUAL-FREQUENCY NEMATIC LIQUID CRYSTALS
   Scott Jobling, Yana Williams, Justin Liou (I.C. Khoo)
   Electrical Computer Engineering

3. GENETIC ENHANCEMENT OF A PHYTONUTRIENT IN PLANTS FOR HUMAN CONSUMPTION
   Shiwani Tiwari, Vidita Shah (Deane Falcone)
   Biological Science

4. A COMPARATIVE STUDY: HIP AND KNEE RANGE OF MOTION REQUIRED FOR SIT TO STAND VERSUS STAND TO SIT
   Stephanie Longchamps, Wendi DeFilippo (Joyce White)
   Physical Therapy

5. A NANOEMULSION OF A NUTRITIONAL ANTI-OXIDANT SYNERGY FORMULATION REDUCES NEUROBLASTOMA-INDUCED TUMORS IN MICE
   Fonghsu Kuo, Timothy Kotyla, Lydia Kifle, Thomai Panagiotou, Irwin Gruverman, Jean-Bosco Tagne (Thomas B. Shea, Robert J Nicolosi, Thomas A. Wilson)
   Biological Science, Clinical Lab Nutritional Services

6. A NEW MODEL FOR NONSTATIONARY INDOOR WIRELESS CHANNEL
   Sania Salahuddin (Charles Thompson)
   Computer Science
7. A PORTABLE DIRECT-PV THERMOELECTRIC VACCINE REFRIGERATOR WITH ICE STORAGE THROUGH HEAT PIPES  
Somchai Jiajitsawat (John Duffy)  
Mechanical Engineering

8. A SEMI-EMPIRICAL ADJUSTMENT OF THE VIBRATIONAL DEPENDENCE OF THE POLARIZABILITY OF OZONE FOR USE IN LINE SHIFT CALCULATIONS  
Carlos Szembek (Robert Gamache)  
Environmental, Earth Atmospheric Science

9. A THERMO-OPTICALLY TUNABLE FIBER RING LASER  
Jarrod Vaillancourt (Xuejun Lu)  
Electrical Computer Engineering

10. ACOUSTIC COUPLING ON DIRECTIONAL LOUDSPEAKER ARRAYS  
Kassiani Kotsidou (Charles Thompson)  
Electrical Computer Engineering

11. ADJUSTING THE H2O-N2 INTERMOLECULAR POTENTIAL FOR LINE SHAPE CALCULATIONS USING MEASURED DATA VIA A NON-LINEAR LEAST SQUARE FITTING TECHNIQUE  
Peter Gamache (Frank P Colby Jr, Robert Gamache)  
Environmental, Earth Atmospheric Science

12. ADJUSTING THE INTERMOLECULAR POTENTIAL FOR THE CH4-N2 SYSTEM  
Danielle Niles, Sarah Wroblewski (Robert Gamache)  
Environmental, Earth Atmospheric Science

13. AVAILABILITY AND QUEUE PERFORMANCE OF A HYBRID OPTICAL/RF CHANNEL  
Sushma Keshavamurthy (Kavitha Chandra)  
Electrical Computer Engineering
14. **BACTERIAL ISOLATES FROM NATURAL POPULATIONS OF THE TOXIC DINOFLAGELLATE, A. FUNDYENSE: PHYLOGENETIC DIVERSITY AND EFFECTS ON DINOFLAGELLATE GROWTH**
Nilesh Pande, Nikunj Agrawal (Juliette N. Rooney-Varga)
Biological Science

15. **BIT ERROR RATE POWER PENALTY OF OPTICAL TRANSMISSION THROUGH A VOLUME GRATING**
Jing Tsui (Charles Thompson)
Electrical Computer Engineering

16. **CHARACTERIZATION OF A CHLORELLA CIRUS ENCODED PUTATIVE BETA-LACTAMASE/ALKYL-SULFATASE PROTEIN**
Gretchen Lewis (Michael V. Graves)
Biological Science

17. **CONTROLLING AND PATTERNING ELECTROSPUN FIBERS FOR TISSUE PERFORMANCE**
John Mooskian, Samira Farboodmanesh (Julie Chen)
Mechanical Engineering

18. **CORRECTION OF IRON DEFICIENCY AMONG STUDENT ATHLETES**
Karen Cloutier, Diane Konesavanh, Briona Quinn (Garry J Handelman)
Clinical Lab  Nutritional Services

19. **DETECTION OF CARBON NANOTUBES (CNTS) IN WASTEWATER**
Yexin Yin (Xiaoqi Zhang)
Civil Engineering

20. **DEVELOPMENT OF EFFICIENT REDUCED MODELS FOR MULTI-BODY DYNAMICS SIMULATIONS OF HELICOPTER WING MISSILE CONFIGURATIONS**
Tracy Van Zandt (Peter Avitabile)
Mechanical Engineering
21. DOES THE 5UTR OF PBCV-1 FUNCTION AS A TRANSLATIONAL ENHANCER
Phuong-Son (Sunny) Nguyen (Deane Falcone, Michael V. Graves)
Biological Science

22. EFFECT OF DYE ADDITIVES ON PHOTODIMERIZATION OF THYMINE PENDANT GROUPS IN WATER-SOLUBLE PHOTORESIST POLYMERS
Catherine Yu, Timothy Cain (John C. Warner, Sofia Trakhtenberg)
Community Health Sustainability, Plastics Engineering

23. EGG CONSUMPTION IN OLDER ADULTS TAKING CHOLESTEROL-LOWERING MEDICATIONS: EFFECT ON SERUM LEVELS OF LIPOPROTEIN CHOLESTEROL, LUTEIN AND ZEAXANTHIN AND MACULAR PIGMENT DENSITY
Rohini Vishwanathan (Robert J Nicolosi)
Clinical Lab Nutritional Services

24. EXPERIMENTAL INVESTIGATIONS OF THE RELATIONSHIP OF BASEBALL BAT PROPERTIES ON BATTED-BALL PERFORMANCE
Rebecca Shaw (James A. Sherwood)
Mechanical Engineering

25. EXPERIMENTAL AND NUMERICAL INVESTIGATION OF MELTING IN THE PRESENCE OF A MAGNETIC FIELD—SIMULATION OF LOW GRAVITY ENVIRONMENT—
Hui Zhang (Majid Charmchi)
Mechanical Engineering

26. GC-MS QUANTITATION OF SUSPECTED ALLERGENS IN PERFUME
Wei Wu (Eugene F Barry)
Chemistry

27. HARDNESS, REFRACTIVE INDEX, AND BR-IBAE RESULTS FOR SIOX BASED ETCH MASKS AS A FUNCTION OF SIOX DEPOSITION TEMPERATURE
Paul Alcorn (William D. Goodhue)
Physics and Applied Physics
28. LONG DISTANCE SIGNAL TRANSDUCTION IN PLANTS MEDIATED BY REACTIVE OXYGEN SPECIES
Lauren Luongo (Deane Falcone)
Biological Science

29. MACHINE LEARNING APPLICATIONS IN SPECIES-SPECIFIC GENE IDENTIFICATION
Sethu Alexander (Gary R. Livingston)
Biological Science, Computer Science

30. MANUFACTURING AND FUNCTIONALITY OF BRAIDED SYNTHETIC BLOOD VESSELS
Jamie Cushman (Julie Chen)
Mechanical Engineering

31. MANUFACTURING AND TESTING OF MULTIFUNCTIONAL COMPOSITES
Pedro Espinosa, Justin Massei, Ellen Heerlein (Julie Chen)
Mechanical Engineering

32. MODAL AND ACOUSTIC EVALUATION OF COURSE AGGREGATES DURABILITY AND SOUNDNESS FOR EROSION CONTROL APPLICATIONS
Peter Tavilla (Peter Avitabile, Christopher Niezrecki)
Mechanical Engineering

33. MOLECULAR DIVERSITY OF AEROBIC ANOXYGENIC PHOTOTROPHIC BACTERIA ASSOCIATED WITH NATURAL POPULATIONS OF THE TOXIC DINOFLAGELLATE, ALEXANDRIUM FUNDYENSE
Caroline Coutinho (Juliette N. Rooney-Varga)
Biological Science

34. MULTI-SEMESTER INTERWOVEN PROJECT FOR TEACHING BASIC CORE STEM MATERIAL CRITICAL TO SOLVING DYNAMIC SYSTEMS PROBLEMS
Adam Butland, Dana Nicgorski (Peter Avitabile)
Mechanical Engineering
35. NANO-HEATER SYSTEMS FOR THERMAL NANOMANUFACTURING
Harshawardhan Jogdand (Julie Chen)
Mechanical Engineering

36. NUMERICAL ANALYSIS FOR A DIPOLE ANTENNA IN PLASMA USING THE FINITE-DIFFERENCE TIME-DOMAIN METHOD
Sebahattin Eker (Dikshitulu K Kalluri)
Electrical Computer Engineering

37. OTHER CHILDREN IN THE FAMILY: GROWING UP WITH CHILDREN IN FOSTER CARE
Meghan McCarthy (Doreen Arcus)
Psychology

38. PERFORMANCE ANALYSIS OF ULTRA WIDEBAND WIRELESS CHANNELS
Lawrence Poitier (Kavitha Chandra)
Electrical Computer Engineering

39. PURGING OF A HOT RUNNER MANIFOLD WITH STEPPED RAM VELOCITY PROFILES
Wipoo Sriseubsai (Nick R Schott)
Plastics Engineering

40. QUANTIFICATION OF ELECTROSPINNING JET VELOCITY
John Mooskian (Julie Chen)
Mechanical Engineering

41. SIMPLE BUILDING BLOCKS SUPPORT THE NERVOUS SYSTEM
Walter Chan (Thomas B. Shea)
Biological Science
42. SINGLE-STEP BIOCATALYTIC SYNTHESIS OF SEXITHIOPHENE (ALPHA -6T)
Subhalakshmi Nagarajan, Ramaswamy Nagarajan, Ferdinando Bruno, Lynne Samuelson (Jayant Kumar)
Physics and Applied Physics

43. SUPERIMPOSING LASER AND VISION DATA FOR MOBILE ROBOT PATH NAVIGATION AND OBSTACLE AVOIDANCE
Lee Kyewook (Fred Martin)
Computer Science

44. SUSTAINABILITY MANAGEMENT SYSTEMS
Javier Esquer-Peralta (Rafael Moure-Eraso)
Work Environment Health

45. THE CHARACTERISTICS OF NINE SCHOOLYARD KILLERS AND THEIR ATTACHMENT TO THEIR PARENTS
Tiffany White (Joan Cannon, Allyssa McCabe)
Psychology

46. THE DESIGN VALIDATION OF A FRICTION TEST APPARATUS BASED ON THE THERMOSTAMPING PROCESS OF WOVEN-FABRIC COMPOSITES
Lisa Gamache (Julie Chen, James A. Sherwood)
Mechanical Engineering

47. THE EFFECTS OF ADDITIVES ON INJECTION MOLDED POLYSTYRENE NANOFEATURES
Lindsay Donigian, Sarah Caulfield, Shadbeh Taghizadeh (Carol M.F. Barry, Robert A Malloy)
Plastics Engineering

48. THE EFFECTS OF HIGH RATE PROCESSING PARAMETERS ON THE SURFACE MORPHOLOGY OF STYRENE BLOCK-COPOLYMERS
Lady Jimenez (Carol M.F. Barry, Joey L. Mead)
Plastics Engineering
49. ULTRASONIC SCATTERING MODEL OF A TRABECULAR BONE TISSUE
Max Denis (Charles Thompson)
Electrical Computer Engineering

50. UNDETECTABLE WIDEBAND TRANSMISSIONS ON SHARED RADIO-SPECTRUM COMMUNICATIONS SYSTEMS
Miroslava Raspopovic (Charles Thompson)
Electrical Computer Engineering

51. USING MACHINE LEARNING TO IMPROVE THE THROUGHPUT OF WIRELESS NETWORKS
Chun-Yin Liu (Guanling Chen, Gary R. Livingston)
Computer Science

52. DEVELOPMENT OF GRAPHICAL USER INTERACTIF MODELS AS PART OF THE NSF ENGINEERING EDUCATION PROJECT ON A MULTI-SEMESTER INTERWOVEN PROJECT FOR TEACHING BASIC CORE STEM MATERIAL
Christopher Chipman, Aaron Williams (Peter Avitabile)
Mechanical Engineering

53. EXAMINATION OF CELL-TYPE EXPRESSION OF A GENE THAT CONFER STRESS TOLERANCE TO PLANTS
Galina Feldman, Kil-Young Yun (Deane L. Falcone)
Department of Biological Science

54. PREDICTORS OF SUCCESSFUL OUTCOMES IN PHYSICAL THERAPY FOR URINARY INCONTINENCE
Heather Bowen, Melissa Carroll, Amy Gubbins (Gerard J Dybel)
Physical Therapy

55. URETHANE-SUBSTITUTED POLYDIACETYLENE MICRO- AND NANOCRYSTALS - FABRICATION, CHARACTERIZATION AND RELATIONSHIP TO THE THERMOCHROMISM
Xiaoyu Wang (Daniel J. Sandman)
Chemistry

56. MODIFICATION OF TARGET DEFINITION FOR MODEL UPDATING USING IMPEDANCE BASED MODELING FOR
HELICOPTER MISSILE WING COMBINATIONS
Nels Wirkkala (Peter Avitabile)
Mechanical Engineering

57. EFFECT OF WORK SURFACE HEIGHT ON UPPER EXTREMITY MUSCLE ACTIVITY AND POSTURE DURING LABORATORY SIMULATED PIPETTING
Jungkeun Park (Bryan O Buchholz)
Work Environment Health

58. FIBROBLASTS ISOLATED FROM A REGENERATIVE MOUSE STRAIN EXHIBIT RESISTANCE TO HYPERTHERMIA AND OXIDATIVE STRESS INDUCED CELL DEATH
Matthew Belmonte (Susan J. Braunhut, Ekaterina Vorotnikova, Mark A. Tries, Ellen Heber-Katz (Wistar Inst., Philadelphia))
Biological Science

59. A NEW RAPID SCREENING METHOD FOR THE ANTI-CARCINOGENIC ACTIVITY OF A NOVEL SET OF SYNTHESIZED Oligo(CATECHINS)
Soumya Vemuri (Susan J. Braunhut, Jayant Kumar)
Biological Science, Physics and Applied Physics

60. FACTORS CONTROLLING MERCURY METHYLATION AND DEMETHYLATION IN WETLANDS AND SOILS AT AN ADIRONDACK LAKE
Isaac Adatto (Mark E. Hines)
Department of Biological Science

61. AN INTELLIGENT SUGGESTION SYSTEM FOR IMPROVED HUMAN-ROBOT INTERACTION
Michael Baker (Holly Yanco)
Department of Computer Science

62. COBWEB PROJECT - ENVIRONMENTAL JUSTICE FOR BRAZILIAN WORKERS IN MASSACHUSETTS
Andrea Barbosa, Tiago Jansen (Carlos Siqueira)
Department of Work Environment Health

63. NANO-SCALE PHOTOLITHOGRAPHY USING NEAR-FIELD
SCANNING OPTICAL MICROSCOPY
Patrick Bisson (James E. Whitten)
Department of Chemistry

64. AUTONOMOUS WHEELCHAIR
Robert Casey, Mark Micire, Andrew Chanler (Holly Yanco)
Department of Computer Science

65. CAMERA PLACEMENT AND MULTICAMERA FUSION FOR REMOTE ROBOT OPERATION
Robert Casey, Brenden Keyes (Holly Yanco)
Department of Computer Science

66. THE CRITICAL ROLE OF SAM IN DIETARY AND GENETIC COMPROMISES IN ALZHEIMER’S DISEASE
Amy Chan (Thomas B. Shea)
Department of Biological Science

67. FPGA’S IN ROBOTICS
Andrew Chanler (Fred Martin)
Department of Computer Science

68. ARSENIC INDUCES NEUROTOXICITY VIA SPECIFIC SIGNALING PROTEINS
Jason DeFuria (Thomas B. Shea)
Department of Biological Science

69. FEATURE CREATION AND SELECTION TO IMPROVE DATA MINING AND MACHINE LEARNING
Shaun DeWitt (Gary R. Livingston)
Department of Computer Science

70. ROBOT ARCHITECTURE FOR HUMAN ROBOT INTERACTION
Munjal Desai (Holly Yanco)
Department of Computer Science
71. **TUG OF WAR: MAINTAINING A PROTEIN BALANCE DURING NERVOUS SYSTEM DEVELOPMENT**
Maya Dubey (Thomas B. Shea)
Department of Biological Science

72. **NUMERICAL ANALYSIS OF A WHISTLER WAVE BY SWITCHING OFF A MAGNETOPLASMA USING THE FINITE-DIFFERENCE TIME-DOMAIN METHOD**
Sebahattin Eker (Dikshitulu K Kalluri, Paul Song)
Department of Electrical Computer Eng

73. **COMAP MATH COMPETITION, “IRRIGATION PROBLEM”**
Christopher Evans, Brain Intoccia, Ryan Hill (James Graham-Eagle)
Department of Mathematical Science

74. **CONSUMPTION OF LUTEIN AND ZEAXANTHIN IN EGGS SIGNIFICANTLY INCREASES SERUM LEVELS IN OLDER ADULTS**
Kalene Garbarz, Alicia LePore, Elizabeth Goodrow (Thomas A. Wilson, Robert J Nicolosi)
Department of Clinical Laboratory Nutritional Services

75. **ASSEMBLY OF NANOTEMPLATES**
Charles Golub (Carol M.F. Barry)
Department of Plastics Engineering

76. **LEAD ADSORPTION BY FUNCTIONALIZED NANOSPHERES**
Praveen Kumar Jayaradu (Xiaoqi Zhang)
Department of Civil Engineering

77. **CONSTRUCTION, ANALYSIS, AND VISUALIZATION OF TREES FOR LEUKEMIA CLASSIFICATION**
Lucy Liang (Karen Daniels, Gary R. Livingston, Lee K Jones)
Departments of Computer Science and Mathematical Science

78. **DEVELOPMENT OF A VISUALIZATION TOOL FOR THE DYNAMICS OF GRAVITY DRIVEN FLOWS**
Narine Malkhasyan (John R White, Peter Avitabile)
Departments of Chemical Engineering and Mechanical Engineering
79. SIMPLIFIED METHOD FOR MEASURING INSULIN RESPONSES TO DIET
Peter Megdal (Garry J Handelman)
Department of Clinical Laboratory Nutritional Services

80. ESTABLISHING THE USE OF THE ING-1 ANTIBODY IN THE LOCALIZATION OF HEAD AND NECK CANCERS
Rachel Mendes, Donna McIntosh, Ekaterina Vorotnikova, Susan Braunhut, Robert Ivkov (Susan J. Braunhut, Ezequiel R Rivera)
Departments of Biological Science and Biological Science

81. LABORATORY-SCALE STUDY OF CHELATED IRON CATALYZED PERSULFATE OXIDATION OF TRICHLOROETHYLENE IN AQUEOUS SOLUTIONS: EFFECT OF CATALYST TO CHELANT MOLAR RATIOS
Nihar Mohanty, Peter Philbrook (Clifford J Bruell)
Department of Civil Engineering

82. CALIBRATION AND CHARACTERIZATION OF A PROTOTYPE X-RAY BREAST CT IMAGING SYSTEM
J. Michael OConnor (Mufeed M. Mahd)
Department of Electrical Computer Eng

83. THE EFFECT OF AFM TIP GEOMETRY ON THE MEASUREMENT OF NANOSCALE STRUCTURES
Rina Ordonez (Carol M.F. Barry)
Department of Plastics Engineering

84. EXPERIMENTAL INVESTIGATION OF POLYMER TRANSPORT THROUGH MICRO- AND NANO-CHANNELS
Shardul Patel (Julie Chen, Hongwei Sun)
Departments of Mechanical Engineering and Mechanical Engineering

85. RIGIDITY ANALYSIS OF GRAPHS IN EUCLIDEAN SPACE
Karthik Ramanathan (Konstantin Rybnikov)
Department of Mathematical Science
86. **NANOEMULSIONS OF PHARMACEUTICALS DRAMATICALLY INCREASE THEIR EFFICACY: STUDIES OF MECHANISM(S) OF PHARMACOLOGICAL INTERFERENCE IN THE CELL CYCLE USING STATE-OF-THE-ART MOLECULAR BIOLOGY TECHNOLOGY**
Jean-Bosco Tagne, Srikanth Kakumanu, Sumeet Gupta, Thomas Volkert (Robert J Nicolosi)
Department of Clinical, Laboratory Nutritional Services

87. **PHISSION: A CONCURRENT VISION PROCESSING MODULAR SOFTWARE TOOLKIT**
Philip Thoren (Holly Yanco)
Department of Computer Science

88. **ENDOTHELIAL DYSFUNCTION: PRELUDE TO ATHEROSCLEROSIS?**
John Wang (Bryan O Buchholz, Stephen P. McCarthy)
Department of Plastics Engineering

89. **PROOF OF NEGATIVE INDEX OF REFRACTION OF CHIRAL METAMATERIALS BY USING A WEDGE- AND TRIANGLE-SHAPED MODEL**
Nantakan Wongkasem (Alkim Akyurtlu, Kenneth A Marx)
Departments of Electrical Computer Eng and Chemistry

90. **A DIFFERENTIAL ITEM FUNCTIONING (DIF) TEST FOR THE CROSS-NATIONAL QUANTITATIVE COMPARISON OF PSYCHOSOCIAL JOB HAZARDS BETWEEN CHINESE AND KOREAN NURSES**
Bong-Kyoo Choi (Robert Karasek)
Department of Work Environment

92. **EGG CONSUMPTION IN OLDER ADULTS TAKING CHOLESTEROL LOWERING MEDICATIONS: EFFECT ON SERUM LIPID AND LIPOPROTEIN CHOLESTEROL LEVELS**
Alicia Lepore, Kalene Garbarz, Elizabeth Goodrow (Thomas Wilson, and Robert Nicolosi)
Center for Health and Disease Research

93. **3-DIMENSIONAL RECONSTRUCTION OF AZIMUTH/ELEVATION**

xiii
TERAHERTZ DATA USING REFLECTION TOMOGRAPHY
Joshua Auriemma (Thomas Goyette)
Department of Physics and Applied Physics

94. WOMEN THROUGHOUT 'TIME:' A CONTENT ANALYSIS OF MAGAZINE COVERS 1923-2005
Jamie Weller (Meg A. Bond)
Department of Psychology

95. PATTERNING OF BLOCK COPOLYMERS USING MICRO-CONTACT PRINTING AND DIP-PEN NANOLITHOGRAPHY
Amol Chandekar, Sandip K. Sengupta (James E. Whitten)
Department of Chemistry, Center for High-Rate Nanomanufacturing and Center for Advanced Materials

96. CHARACTERIZATION OF COLD SENSITIVITY AND GENETIC EXPRESSION OF CBF GENES IN THE ARABIDOPSIS THALIANA MUTANT OXT6
Greg Brace, Kil-Young Yun, Jingxian Zhang, (Deane Falcone)
Department of Biological Sciences

97. USING DIFFERENCE NETWORKS TO IDENTIFY GENE SIGNATURES IN BREAST CANCER
Patrick Shaughnessy (Gary Livingston)
Department of Computer Science
HUMANITIES PANEL PRESENTATIONS

PANEL 1: PRIVATE LIFE AND THE PUBLIC SPHERE IN CONTEMPORARY AMERICAN LIFE
Cumnock Trustees’ Room 9:00 a.m. - 10:00 a.m.
Moderator: Professor Mike Millner

WOMEN IN BASEBALL: FROM THE PRIVATE TO THE PUBLIC SPHERE
Robert Goss (Wallace M. Millner)
Department of English

PUBLIC DREAM AND PRIVATE NIGHTMARE? GENERATION X, GRAPHIC NOVELS, AND THE BOOMER DREAM
Danielle Bennett (Wallace M. Millner)
Department of English

THE PROBLEM WITH PRIVACY
Robert Kier (Wallace M. Millner)
Department of English

PANEL 2: NANOTECHNOLOGY AND LITERATURE
Kitson 308 9:00 a.m. - 10:00 a.m.
Moderator: Professor Todd Avery

FROM GALVANIZED FROGS TO NANOPARTICLE SWARMS
Julia Gavin (Todd P Avery)
Department of English

THE YAYS AND NAYS OF NANO: A CONTEXTUAL LOOK AT PREY AND THE FIRST IMMORTAL
Casey Kennedy (Todd P Avery)
Department of English

NANOTECHNOLOGY: THE FRANKENSTEIN OF OUR TIME
Jennifer Clark (Todd P Avery)
Department of English
PANEL 3: LANGUAGE AND REPRESENTATION IN MODERN AND CONTEMPORARY LITERATURE
Cumnock Trustees’ Room 10:15 a.m. - 11:15 a.m.
Moderator: Professor Julie Nash

THE NEED FOR LANGUAGE IN A MARGINALIZED WORLD
Lauren Cerretti (Diana C. Archibald)
Department of English

THURSDAY OR FRIDAY
Callie Flood, Chris Kierstein (Todd P Avery)
Department of English

THE ANGELS, HEIRS, AND GUARDIANS OF THE HOUSE: REPRESENTATIONS OF MOTHERS, SERVANTS, AND MODERN WOMEN IN THE WORKS OF E.M. FORSTER AND VIRGINIA WOOLF
Emma Liddle (Todd P Avery)
Department of English

PANEL 4: DOCUMENTING LOWELL
Kitson 308 10:15 a.m. - 11:15 a.m.
Moderator: Professor Chad Montrie

“THE NEED TO BE FREE: HOW THE AUTOMOBILE CHANGED MIDDLE CLASS AMERICA” AND “FROM THE CRADLE TO THE NAVE”
Benjiman Bythewood, Colleen Bordieri, Cheryl Rayner (Chad Montrie)
Department of History

PANEL 5: HISTORY THROUGH THE LENS OF LITERATURE
Cumnock Trustees’ Room 11:30a.m. - 12:30 p.m.
Moderator: Professor Jeannie Judge

“OBJECTS GROSS AND THE UNSEEN SOUL ARE ONE:” AMERICAS STRENGTH AND THE SORE SPOT OF ENGLAND
Darragh Murphy (Julie E. Nash)
Department of English

**SHAPING THE CIVIL WAR AND IDEOLOGICAL RECONSTRUCTIONS IN HISTORICAL FICTION**
Nathan Lamar (Todd P Avery)
Department of English

**WOMEN WRITERS AND THE PAST: THE USE OF RELIGION TO UNDERSTAND THE LIVES OF ORDINARY WOMEN**
Lauren Kelly (Jeannie S. Judge)
Department of English

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**PANEL 6: URBAN ECONOMICS AND LOWELL POLITICS**
Kitson 308 11:30a.m. - 12:30 p.m.
Moderator: Professor Supriya Lahiri

**ENVIRONMENTAL AND OCCUPATIONAL HEALTH IMPACTS OF POVERTY ALLEVIATION DEVELOPMENT THROUGH MICROFINANCING**
Heather Zajac (Supriya Lahiri)
Department of Economics

**THE URBANIZATION OF LOWELL, WITH A FOCUS ON THE HIGHLANDS AS A BURGEONING SUBURB OF THE CITY**
Kara Baker (Marie A. Frank)
Department of Cultural Studies

**POLITICS AND FRACTURED FAITH: CAMBODIAN THERAVADA BUDDHIST TRADITION AND THE NORTH CHELMSFORD, MASSACHUSETTS TEMPLE CONFLICT**
Elizabeth Smith (Jeffrey Gerson)
Departments of English and History