SATURDAY, OCTOBER 19, 2019  
TANYA L. SCHNEIDER  
Chemistry  
Talking Bacteria: Exploring the Bionergetic Chemistry of Bacterial Communication and Antibiotic Resistance

Bacteria communicate with each other by producing and exchanging signaling molecules, often leading to a coordinated increase in virulence in pathogenic bacteria. Bacteria also biosynthesize many bioactive molecules, including numerous clinically used antibiotics. I will discuss examples of both of these processes, highlighting the various opportunities they offer as we work to combat antibiotic resistance.

TUESDAY, OCTOBER 15, 2019  
TANYA L. SCHNEIDER  
Chemistry  
Saturating Point  
Saturating Point brings together cyanotype prints and paintings that merge artistic exploration with consideration of urgent questions of our time: How much human intervention can our planet sustain? How much damage can man do? How does art help us advance or retreat in the face of such challenges?

WEDNESDAY, SEPTEMBER 25, 2019  
TIMOTHY MCDOWELL & CHRIS BARNARD  
Art  
Dwelling in the Subterranean: Identity Through Sensory Place, Religion and Work  
The Subterranean, the southern India's filling delta of India and Bangladesh, is home to honey collectors and basketweavers who depend on this mangrove forest to live. Some are Muslim and others Hindu, and both venerate "The Lady of the Forest" (Babuhi). A silk saint who protects all who live by forest rules. By taking seriously the role of place and labor in their lives, Babuhi veneration can be understood as central to an intentional and embedded knowledge system.

WEDNESDAY, FEBRUARY 26, 2020  
SOFIA UDDIN  
Religious Studies  
Advances in InP/InGaAs Geiger-mode APD focal Plane Arrays  
In this talk, I will describe recent developments in the state-of-the-art for InP/InGaAs Geiger Mode focal plane arrays developed at MIT Lincoln Laboratory. Publication details of highly-dense arrays on a 25-micron pitch will be presented, along with techniques developed to suppress cross-talk in neighboring pixels. These dense arrays are hybridized to highly efficient read-out circuits capable of simultaneous photon-counting imaging and photon time extraction for multiple user-defined regions of interest.

THURSDAY, MARCH 26, 2020  
MOHAMMED A. DIAGNE  
Physics  
Parenteralics as Glasses in Brian Lee’s (New) Middle English Alice’s Adventures in Wonderland

In the preface to his Middle English translation of Alice’s Adventures in Wonderland (2013), Brian Lee discusses issues such as the language, geographic conceptions, and education in the fourteenth-century England. While he does not speak of engaging the visuality and materiality of medieval manuscripts in his neo-medieval text, his inserted parenthetical comments have the varied function of glosses. They provide additional commentary, spell out intertextual connections, and make the reader aware of the translator’s process.

TUESDAY, NOVEMBER 5, 2019  
DENIS FERHATOVIC  
English  
Parenteralics as Glasses in Brian Lee’s (New) Middle English Alice’s Adventures in Wonderland

In the preface to his Middle English translation of Alice’s Adventures in Wonderland (2013), Brian Lee discusses issues such as the language, geographic conceptions, and education in the fourteenth-century England. While he does not speak of engaging the visuality and materiality of medieval manuscripts in his neo-medieval text, his inserted parenthetical comments have the varied function of glosses. They provide additional commentary, spell out intertextual connections, and make the reader aware of the translator’s process.

MONDAY, NOVEMBER 4, 2019  
DENIS FERHATOVIC  
English  
Dwelling in the Subterranean: Identity Through Sensory Place, Religion and Work  
The Subterranean, the southern India's filling delta of India and Bangladesh, is home to honey collectors and basketweavers who depend on this mangrove forest to live. Some are Muslim and others Hindu, and both venerate "The Lady of the Forest" (Babuhi). A silk saint who protects all who live by forest rules. By taking seriously the role of place and labor in their lives, Babuhi veneration can be understood as central to an intentional and embedded knowledge system.

TUESDAY, DECEMBER 3, 2019  
ARELIA R. ROTRAMEL  
Gender, Sexuality and Intersectionality Studies  
Who’s Afraid of Identity Politics: Naming the Roots of Social Inequities

My book, Pushing Back: Women of Color-led Grassroots Activism in New York City, is a study of how and why such activists draw upon identity-based organizing as they respond to race, gender, and class-based injustices. Their efforts demonstrate the potential that the act of claiming identity-based knowledge and experience holds for finding common causes rather than divisions across communities.

TUESDAY, FEBRUARY 3, 2020  
JAMES DALE WILSON  
Music  
Comparing for Nordscodeetche: Radiation (NDR) Hamburg Radio Jazz Orchestra

This is an overview of collaborations with NDR Radio Jazz Orchestra between 2013-2019, including four concerts in Hamburg, Germany during my sabbatical. Using video and audio clips from rehearsals, concerts and recording sessions at NDR studios, this presentation describes the process of composing and arranging for the 18 virtuous jazz improvisers of the NDR Radio Jazz Orchestra.

WEDNESDAY, JANUARY 30, 2020  
MARGARET A. DIAINE  
Physics  
Advances in InP/InGaAs Geiger-mode APD focal Plane Arrays  
In this talk, I will describe recent developments in the state-of-the-art for InP/InGaAs Geiger Mode focal plane arrays developed at MIT Lincoln Laboratory. Publication details of highly-dense arrays on a 25-micron pitch will be presented, along with techniques developed to suppress cross-talk in neighboring pixels. These dense arrays are hybridized to highly efficient read-out circuits capable of simultaneous photon-counting imaging and photon time extraction for multiple user-defined regions of interest.

MAY 6, 2020  
NINA K. MARTIN  
Film Studies  
Exploring the Haunted Horrific of Horror

In the last 20 years, feminist scholars have embraced and interrogated the horror genre, heralding the surviving female of horror, “the final girl,” as a complicated, yet iconic figure of gender subversion. My work explores an equally ubiquitous figure— the Haunted Housewife. This female protagonist, touched by trauma, madness and the supernatural, embodies contemporary feminisms struggles with epistemological and narrative authenticity that continue to haunt women in and out of horror today.