

## **PDAC Book of Abstracts Spring 2013**

### **1. Nadia Benakli, PhD**

*Associate Professor*

*Mathematics*

*Mathematics*

#### **Mathematics and General Education**

*The 46<sup>th</sup> Annual NYSMATYC Conference 2013*

*"Everything You Can Imagine Is Real"*

#### **ABSTRACT**

What are general education learning outcomes? How can students acquire these skills, knowledge, and values in a math classroom? The presenters will discuss different activities that they use to assess these outcomes.

### **2. Oleg Berman, PhD**

*Associate Professor*

*Physics*

#### **Graphene-based spaser**

*The American Physical Society (APS) March Meeting 2013 in Baltimore, Maryland, USA*

*03/18/2013 - 03/22/2013*

*The APS March Meeting is an annual physics conference that attracts the world's experts in Condensed Matter Physics. Twenty-one units consisting of ten divisions, six forums, and five topical groups participate in APS's annual March Meeting.*

#### **ABSTRACT**

We propose graphene-based surface plasmon amplification by stimulated emission of radiation (spaser) formed in the graphene nanoribbon located near a semiconductor quantum dot (QD). The population inversion of the two electron levels of the QD can be achieved by applying external electric current or laser pumping. If the frequency of the dipole plasmon resonance in a graphene nanoribbon comes in the resonance with the transition frequency for the QD, it is possible to excite plasmons and generate the coherent surface plasmon states in the graphene nanoribbon. Therefore, the oscillating dipole in the QD excites coherent surface plasmons in the graphene nanoribbon. By solving the system of equations for the number of coherent localized plasmons in a graphene-based spaser the optimal design, optimal width of graphene nanoribbon and optimal regime for the graphene-based spaser are found. The minimal size and minimal threshold pumping intensity for the graphene-based spaser are obtained. The advantage of using graphene for the spaser is discussed.

### 3. **Walter Brand**

Ph.D. Associate Professor  
Philosophy  
Social Science  
University of Debrecen, Hungary's International Conference  
June 6 - 8, 2013  
"Identity and Self Respect"

#### **Abstract**

The main character of "Hijacked" is a Doctor of Philosophy who teaches several courses as an adjunct instructor at the University during the day and drives the night shift in a New York City Taxi in order to supplement his income. One night, a man steps into the taxi and holds up the driver by gunpoint, and he demands that he takes him to various locations so that he may pick up or drop of what seems to be money and drugs. The gun is pointed at the driver throughout the night and he comes up with a plan that might save his life. He struggles between identifying with his adversary and maintaining his own sense of autonomy. His self-respect is challenged as he begins to see a life-threatening situation as an occasion to confront a number of fundamental ethical principles.

### 4. **Susan Brandt**

Assistant Professor  
**Ryoya Terao**  
Assistant Professor  
Production Management  
Entertainment Technology  
Broadcast Educators Association April 9, 2013  
**BEA National Conference**

The Interactive Media and Emerging Technologies Division  
Keeping up with new Technologies  
**Interactive Haunted Hotel: Teaching *Interdisciplinary & Cutting-Edge Skills in Live Entertainment***

#### **ABSTRACT**

This presentation will focus on the interactive, high-tech "Haunted Hotel," an interdisciplinary faculty/student production by the unique Department of Entertainment Technology at New York City Tech. Student teams (led by student crew heads) work with faculty to learn cutting-edge skills in show control, video system, audio, lighting, scenery, props, and production management. The final product is a popular Halloween attraction for the public. The presenters will share design and video footage of the project. The "Haunted Hotel" allow students to gain hands-on experience and work in an interdisciplinary setting with experts from different areas of audio and video production, show control, and emerging media. As such, students are able to deepen their knowledge in their area of studies, gain experience in working with experts in related areas, and experience a real-life live entertainment production from start to finish. The project is an example of the practical side of our curriculum, designed to help students find employment in the industry.

An example of various elements of the Haunted Hotel is a show controlled ghost video. A life-size ghost walks across the landscape outside the window with visual and audio effects. Moving images are no longer limited to theaters or TV. Film/video clips have become important elements for live entertainment such as at concerts, museums, theme parks, and so on. It behooves us educators to expand beyond traditional presentations of moving images.

## **5. Patricia Cholewka**

Assistant Professor

Nursing

### **Abstract**

The Electronic Health Record: A Global Perspective on Quality Patient Care

Presented by: Dr. Patricia A. Cholewka, EdD, MPA, MA, RN-BC, Department of Nursing  
New York City College of Technology, CUNY

With U.S. legislation supporting the implementation and use of the electronic health record (EHR) in all health care settings and across the continuum of client care, it is important to understand the global experience and future trends in the use of health care information technology (HIT). This presentation is to contrast and compare the use of the electronic health record in the U.S. and European Union (i.e., within global settings). It will offer the audience a global perspective on the drivers, barriers, and stakeholder issues affecting EHR use in the European Union and other global settings and what we, as users of HIT in the U.S. health care system, should foresee in the costs associated with expanding meaningful use of our own EHR.

## **6. Susan Davide, RDH, MS, MEd**

*Assistant Professor*

*Dental Hygiene*

**Knowledge and Attitudes towards People with HIV and Willingness to Conduct Rapid HIV Testing: A National Survey of U.S. Dental Hygienists**

*American Dental Hygienists' 2013 90<sup>th</sup> Annual Session*

*Center for Lifelong Learning-Research Poster Presentation*

### **Abstract**

In the U.S., an estimated 21% of people living with HIV/AIDS do not know their positive status. Expanding rapid HIV testing in the dental setting may increase the number of individuals aware of their HIV status and can begin medical care and social support services. Expanded rapid HIV testing initiatives are needed outside the routine medical setting. The dental setting is a logical choice since almost two thirds of Americans see a dental provider each year. This study aimed to determine knowledge of HIV, attitudes toward people living with HIV and willingness to conduct rapid HIV testing among dental hygienists. Practicing dental hygienists were recruited to complete a cross-sectional survey (N = 663). The survey included 13 questions assessing knowledge and attitudes. Surveys were administered online using Campus Labs, and were collected from September to December 2011.

Subjects were first assessed in terms of mean knowledge test score. Individuals who answered 75% or more of the questions correctly were placed into a category of “high test scorers,” while those who answered less than 75% of the test questions correctly were placed into the “low score” group. Associations between groups were tested using a chi-square statistic for categorical variables and a t-test for continuous variables. Attitudes were measured as scores on a 3 point Likert scale, and were analyzed as categorical variables. Age, gender and race-adjusted odds ratios and their 95% confidence intervals were estimated using unconditional logistic regression models. Statistical significance was assessed using a two sided test at the  $\alpha=.05$  level for all studies.

Increased knowledge about HIV is associated with an increased comfort level in working with medically compromised patients, and in counseling about sexual HIV prevention methods. This study demonstrates a majority of the high scoring knowledge group indicated that they would be willing to conduct HIV rapid tests. Those with high test scores were more likely than those with low test scores to feel comfortable counseling about sexual HIV prevention. The groups did not differ in their willingness to be trained to perform HIV testing. This indicates a need to offer supplemental access to HIV education and training in dental hygiene curriculum and post-graduate continuing education. The study supports the NDHRA priority area, Health Services Research. It was approved by the Long Island University Institutional Review Board and CUNY IRB. Funding for this project was through Long Island University Health and Wellness Institute.

## **7. Anthony F. DeVito**

Assistant Professor  
Radiologic Technology &  
Medical Imaging P513

### **Abstract**

I have recently returned from the New Jersey Society of Radiologic Technologists (NJSRT) annual conference. The conference was held in Atlantic City, New Jersey March 6 and 7, 2013. The conference was fortified with informative lectures, dynamic speakers and the opportunity to achieve 12 CE credits. These credits are a mandatory requirement set forth by the American Registry of Radiologic Technologists (ARRT).

Some of the topics presented at the conference included “MRI Safety”, “Forensic Imaging”, “Acing the Interview” and “The Lost Art of Contrast Studies”. I found the variety of these topics were extremely beneficial in regard to the development of my educational skills.

**At the conference I presented to the technologists a one hour CE approved lecture titled, “Don’t Do This, Do That”** The objective of this lecture was to demonstrate the correct way to perform radiographs. The majority of my audiences were recent graduates who lack the “real world “experience needed to become an accomplished radiographer. The title I selected was a whimsical way of saying, the book you used really didn’t teach you everything. Additionally,

over the past few years I have been involved in preparatory work with radiography students regarding their ARRT Registry Examination.

#### **8. Ruth G. Garcia, Ph.D.**

Assistant Professor

English Literature/18<sup>th</sup> Century British Literature

English

**“For whilst I unregarded stand...I hear, and mark”: The Witnessing and Reading Servant.**

Northeast Modern Language Association (NeMLA) Conference 2012

44<sup>th</sup> Annual Convention—Panel: Searching for Authority: Rebellious Readers in Early Modern Texts (1640-1740); co-chairs: Andrea Fabrizio (Hostos Community College) and Ruth G. Garcia (New York City College of Technology)

#### **Abstract**

Many critics, including Ian Watt, Judith Frank, and Kristina Straub, have discussed the education and reading practices of servants and the concern that literacy would disturb the social order by encouraging an ambition for social mobility. But servants acquired an equally subversive education through the figurative reading of their masters. A servant’s intimate knowledge of her master and ability to read their emotions reversed the traditional power dynamics of service. Servants’ ability to understand their masters and their master’s lives destabilized class boundaries and questioned the preeminence assigned to the upper-class status. Investigating the way servants read their masters betrays the power servants possessed and masters’ vulnerability to prying eyes, helping us understand the cultural anxiety surrounding servants in the 18<sup>th</sup> century. The danger posed by the servant that knows his master all too well is a trope seen in many novels of the period including, William Godwin’s *Caleb Williams* which blatantly exposes the control these figures possessed and reveals the master’s power as false.

Godwin’s novel illustrates the way “reading” the master empowers the servant and shows the latent power that results from the knowledge gained as a result. As various critics have noted, there is a clear connection between observing and possessing power in *Caleb Williams*. Focusing on the connection between the ability to observe and the servant role, I argue that Caleb studies his master and then uses the knowledge he gains to manipulate and pursue his master’s secret, which in turn allows him to create the situations that form the novel and his story, making possible the telling of his narrative. The ability to read the master allows him to usurp authority and grants him the master-like ability to speak about himself and others. Yet, replacing the master paradoxically leads to Caleb’s down fall, showing that that the position of domination is not as desirable as usually thought.

**9. Laura Ghezzi, Ph.D.**

Associate Professor  
Commutative Algebra  
Mathematics

**Variation of the First Hilbert Coefficients**

*Workshop on Representation Theory, Homological Algebra, and Free Resolutions at the Mathematical Sciences Research Institute of UC Berkeley, February 11-17, 2013*

*Commutative Algebra and its interactions with Representation Theory and Algebraic Geometry*

**ABSTRACT**

Commutative Algebra is the branch of pure mathematics that studies commutative rings. The term “ring” was introduced by Hilbert. Hilbert functions are one of Hilbert's numerous contributions to Commutative Algebra.

Our work focuses on the coefficients of the Hilbert polynomials of parameter ideals in Noetherian local rings. In the first part of this talk we explore how the set of the first Hilbert coefficients codes for significant information about the structure of the ring itself. We discuss noteworthy properties such as that of Cohen-Macaulayness, Buchsbaumness, and of having finitely generated local cohomology. In the second part of this talk we give estimates for the first Hilbert coefficients when an ideal is enlarged in the same integral closure class. The presentation is based on joint work with S. Goto, J. Hong, and W.V. Vasconcelos, published in the Journal of the London Mathematical Society and to appear in the Proceedings of the American Mathematical Society.

**10. Camille Goodison, Ph.D.**

Assistant Professor  
English  
English Department

**Abstract**

**Wondrous Love This** (working title)

2013 Callaloo Creative Writing Workshop

June 2-15, 2013

*Wondrous Love This: A Novella (WLT)* adapts aspects of Balzac's novel *Pierre Goriot*. New York City remains inhabited by urban cosmopolitans who include a wide cross-section of society; people variegated by habits, likes, cultures, and perspectives. *WLT* will include some of the people, particularly post-millennial youth and others moving to the city from elsewhere, you would find in Brooklyn today (2013). *Goriot* features boarders in Paris during a time when French society was in flux, people at different ends of the socio-economic ladder. *WLT* concerns itself with similarly ambitious youth, living and learning together. I hope this will be a more realistic, and less cynical portrayal of today's young.

## **11. Ilya Grigorenko**

Assistant Professor

Physics

Abstract of the talk

Presented at the MARCH 2013 Meeting of  
The American Physical Society (Baltimore, MD)

### **Fractal nanostructures with Hilbert curve geometry as a SERS substrate**

#### **Abstract**

A new type of substrates for

Surface Enhanced Raman Scattering measurements is proposed. The shape of the substrate is based on self-similar fractal space filling curves, which possess properties of both one dimensional and two dimensional geometries. Here I present theoretical studies of the dielectric response of thin film doped semiconductor nanostructures, where conducting electrons are trapped in an effective potential having the geometry of the Hilbert curve. It is found that the system may exhibit the induced charge distributions specific for either two dimensional or one dimensional systems, depending on the excitation frequency. It is also shown that with the increase of the depth of the trapping potential the resonance of the system demonstrates a counter-intuitive shift to lower frequencies.

## **12. Ezra Halleck**

Assistant Professor

Mathematics

Adirondack

West

#### **Abstract**

##### ***Introductory Statistics and Technology***

Presenter: Ezra Halleck, New York City College of Technology

Presider: Vera Hu-Hyneman, Suffolk CC

During the first part of my presentation, I will report on Math for America's 2012-13 series of workshops on Statistics and Data Mining for NYC teachers seeking p-credit. In particular, I will present some software tools and approaches that may be of interest to instructors at the college level. For the second half, I will discuss a noncalculus based course for STEM majors at City Tech which makes extensive use of MS Excel. This Spring, 90 students enrolled in 3 sections will do one or more projects in applied statistics and probability simulations.

### **13. John Huntington**

Professor

Entertainment Technology

Presentations Title: 3 presentations based on my book, *Show Networks and Control Systems*

Conference Title and Date: US Institute for Theatre Technology 2013

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The US Institute for Theatre Technology show is the primary conference and trade show for theater technology in the United States. This year the conference had record-breaking attendance, and I proposed, coordinated, and presented three conference sessions on Saturday, March 23. Here's the session descriptions from the conference program:

#### **Introduction to Networks**

Saturday, 03/23/2013 11:00AM-12:30PM

Delta Center 102D

Description: This session is the first step in learning how to cope with and setup networks.

Presenters: John Huntington, Citytech, author *Show Networks and Control Systems*, and Davin Huston, Perdue University.

#### **Issues in Audio Networks**

Saturday, 03/23/2013 2:00PM-3:15PM

Delta Center 102D

Description: Join John Huntington, author of *Show Networks & Control Systems*, Ellen Juhlin, D-Mitri digital audio platform manager at Meyer Sound, and Davin Huston, Sound System Designer and certified network professional, to discuss issues that can arise when using audio networks. This session will help show problems, solutions, and caveats in audio networking and share information on where the audio network industry is heading.

Presenters: John Huntington, Citytech, author *Show Networks and Control Systems*, Ellen Juhlin, Meyer Sound Labs, and Davin Huston, Perdue University.

#### **Audio Network Troubleshooting**

Saturday, 03/23/2013 3:30PM-4:45PM

Room Delta Center 102D

Description: This session is a hands-on opportunity for audio people to experience setting up a network from scratch. This is an attendee's chance to apply what they have learned in 'Introduction to Networking' and 'Issues in Audio Networks'. Participants should bring their laptops to follow along with the examples. It is helpful but not necessary to have attended the earlier Introduction to Networking workshop.

Presenters: John Huntington, Citytech, author *Show Networks and Control Systems*, and Davin Huston, Perdue University.

#### **14. Darya Krym**

*Assistant Professor*

*String Theory*

*Physics*

##### **Abstract**

##### **Intersecting Branes in M-theory**

*Collaborator Visit, January 2013*

My collaborators and I have been investigating a particular class of solutions to 11-dimensional supergravity (i.e. the classical field theory approximation of M-theory). These solutions possess  $D(2,1:c':0)^2$  symmetry. As other M-theory solutions, these can be thought of as the spacetime warping associated with intersecting M2-branes and M5-branes. However the exact correspondence is an open question. A first step is to ask what kind of charge distribution is exhibited by these solutions.

From the gauge/gravity duality (or AdS/CFT) perspective these solutions are interesting as duals to interface theories. The basic idea of an interface theory is that two materials with slightly different properties, different conductance, for example, are placed next to each other so an interface exists between them. The field theory describing this scenario consists of copies of the original theory glued along the interface and with each copy having different couplings. The copies can interact along the interface and this can sometimes result in independent degrees of freedom on it and unexpected phenomena. These interface theories locally look like deformations of the original field theory.

Our solutions are examples of duals to such interface theory. They include duals to deformations of ABJM theory, which is the conformal field theory living on the M2-brane. We also know there is a class of solutions dual to deformations of the conformal field theory living on the M5-brane. Whether there are solutions corresponding to a conformal field theory which is neither of the aforementioned cases is an open question. For the first two categories, it should be possible to find the particular operator whose insertion deforms the conformal field theory.

#### **15. Xiangdong Li, Ph.D**

*Associate Professor*

*Quantum Searching*

*Computer Systems Technology*

##### **Quantum Searching Application in Search Based Software Engineering**

*SPIE Defense, Security, and Sensing, 2013*

*Quantum Information and Computation*

##### **ABSTRACT**

The Search Based Software Engineering (SBSE) is widely used in software engineering for identifying optimal solutions. However, there is no polynomial-time complexity solution used in the traditional algorithms for SBSE, and that causes the cost very high. In this paper, we analyze and compare several quantum search algorithms that could be applied for SBSE: quantum

adiabatic evolution searching algorithm, fixed-point quantum search (FPQS), quantum walks, and a rapid modified Grover quantum searching method. The Grover's algorithm is thought as the best choice for a large-scaled unstructured data searching and theoretically it can be applicable to any search-space structure and any type of searching problems.

#### **16. Jane Mushabac, PhD**

Associate Professor

English Department

#### **"Seven Songs, Seven Identities: Bridging the Past and the Future"**

Modern Language Association National Convention 2013

Sephardic Studies Discussion Group Program: " Bridges between Past, Present, and Future

Sephardic Cultures, Literatures, and Identities"

#### **ABSTRACT**

It's well known that singing played an important role in traditional Sephardic Ottoman culture. Singing was sustenance, like daily bread; it was nourishment in the most profound sense. Emotional and entertaining, singing provided identity and belonging. But how has singing fared with assimilation of Sephardim to contemporary American life?

Let's clarify we're speaking here of singing as individual and communal, not commercial. In many places today, due to a range of appealing technological devices, singing has been largely replaced with listening to professionals singing. Singing in traditional societies was active and personal. A traditional home was directly enlivened by song. Sephardic women sang regularly while busy with tasks, and in social gatherings; their songs were full of angst, pleasure, bitterness, joy, and sexual innuendo. Men's singing was liturgical. Men's prayers and blessings at home and in the synagogue celebrated a people's history. For both women and men, singing was both easy and habitual, and physical and intense.

This presentation describes seven Turkish-American Sephardic individuals in the U.S., each with a different response to the stresses and liberation of assimilation. For each, a particular song expresses a need for identity in a complicated, sophisticated world, either through rejecting the past or cherishing it. The songs are a Passover counting song; a short Ladino lullaby; a popular song probably adopted from Spanish singers touring Turkey in the early 1900s; a love song about trees and the mountain air; a Greek song about an Egyptian girl; a cheeky Ladino song about the potent drink raki; and a short Hebrew song requesting that "He who creates the harmony of the spheres" create peace for us all.

**17. Masato R. Nakamura**

*Assistant Professor*

*Renewable Energy and Environmental Engineering*

*Department Mechanical Engineering Technology & Industrial Design Technology*

**Effect of Number of Bars and Reciprocation Speed on Residence Time of Particles on A Moving Grate**

*The 21st Annual North American Waste-to-Energy Conference (NAWTEC21), April 22-24, 2013  
Energy from Waste (EfW)*

**ABSTRACT**

The moving grate systems of waste-to-energy (WTE) mass-burn combustion chambers are designed for providing efficient flow and mixing of the municipal solid waste (MSW) over the length of the grate. This study presents results from a numerical analysis of the effect of number of reciprocating bars and reciprocation speed on the degree of mixing and residence time of MSW particles on the grate. A particle-based bed model of MSW and a physical model of reverse-acting grate were used in order to quantify the mixing diffusion coefficient of MSW particles. We analyzed the particle mixing with different parameters: particle size ( $d=6-22\text{cm}$  diameter), reciprocation speed of moving bars ( $R_r = 0-90\text{recip./h}$ ), and number of moving bars ( $N_b=0$  to 16 bars). This combination of mathematical modeling and experimental work has shown that: (1) different particle sizes result in different residence times, according to the Brazil Nut Effect (BNE) (2) The number of moving bars (from 0 to 16 bars) of a reverse-acting grate has the net effect of increasing the mean residence time of small and medium sized particles, while decreasing that of large particles. (3) The bar height,  $h$ , was found to be one of the major geometric parameters influencing mixing diffusion coefficient,  $D$ , and residence time.

**KEYWORDS:** Waste-to-energy (WTE), Municipal Solid Waste (MSW), reverse-acting grate, stochastic simulation, Residence Time Distributions (RTDs).

**18. Hamidreza Norouzi, PhD, PE**

*Assistant Professor*

*Construction Management and Civil Engineering Technology*

**Attending on American Concrete Institute (ACI) Convention**

*American Concrete Institute (ACI) Spring 2013 Convention*

**Abstract**

I attended the American Concrete Institute (ACI) spring 2013 convention at Minneapolis MN with City Tech ACI chapter student Officers. This new student club was established last year after the support from the Concrete Industry Board (CIB) and National ACI approval. This student chapter is among very few students club in the North East. Since the beginning I have served as the founder and faculty advisor of this club. Students were interested to get involved in the convention activities and earn experience about the current concrete technology. They applied through the Student Government Association (SGA) and received support for travel. They were required to be accompanied by a faculty. We attended the conference and participated in different educational and research sessions. Students were interested in attending international "Concrete Workability" competition, and liked to observe and collect information about this competition. This helped them to be prepared for the next competition in the fall 2013. I am also an ACI field technician Grade I examiner by ACI. I attended the certification program meetings. City Tech is the only school in the region that offers this

certification to its students. I also attended several educational and chapter meetings that hopefully will benefit my professional development.

**19. Lisa Pope Fischer, PhD**

*Assistant Professor*

*Anthropology*

*Social Science*

***Talking Back: Reflections of a researcher's experience and identity construction***

*University of Debrecen, Hungary's International Conference, June 6-8, 2013*

*Identity and Self Respect*

**ABSTRACT**

As anthropologists doing fieldwork we must learn our practical understanding of the world in comparison to that of the culture being studied and inevitably there are moments in the fieldwork experience where these differences can smack you in the face. The anthropologist can be vulnerable. My fieldwork site was Budapest Hungary and in addition to participant observation, I conducted a number of person-centered life history interviews. Anthropologists know the importance of being sensitive to the people we study as recent research contends that the anthropologist has a decided advantage over his or her informants (in terms of authority, power, resources, etc.), but there is little discussion about the possible agency of the research subject. The people I interviewed were not passive, nor were they without a voice, as disempowered people can practice everyday forms of resistance and at times they can even challenge you. Anthropologists should provide self-respect for the people we study yet on the other hand the very people we study may "talk back." "Talking back" indicates a conversation, but also to answer in an impertinent manner and in terms of my fieldwork experience it has meanings on several levels: the research subjects do talk back, I talked back, and on some occasions, my tongue was tied. Fieldwork challenged my identity, yet also made me think how my identity impacted my fieldwork and research analysis. Identity is complicated as I define myself by my work, yet certainly my gender, my age, my national and ethnic identities affect who I am and how people react towards me. This paper looks at contentious moments within the fieldwork experience to deconstruct the implications of power and culture to critically shed insights into the fieldwork experience and the constructive nature of identity.

**20. Annette J. Saddik, Ph.D.**

Professor of English and Theatre

Department of English

**Tennessee Williams/New Orleans Literary Festival 2013 (New Orleans, LA)**

**Tennessee Williams Scholars Conference 2013 (New Orleans, LA)**

**ABSTRACT:**

I was invited to participate in three events (Friday, Saturday, and Sunday), two at the Literary Festival and one at the Scholars Conference. For the Festival, I gave a talk on "Williams and the Southern Gothic Tradition," which comes from my most recent book manuscript, *The Strange, The Crazy, The Queer: Tennessee Williams and the Theatre of Excess*; I also moderated an event, "I Remember Tennessee," that was filmed for television. The panelists included Oscar nominee Don Murray, who worked with Williams on *The Rose Tattoo* and former poet laureate

William Jay Smith, who knew Williams at Washington University. At the Scholars' Conference, I spoke on a panel titled "Tennessee Williams and the Cold War" with noted Williams scholars John S. Bak from France, Michael Hooper from England, Jacky O'Connor (Boise State University), and Barton Palmer (Clemson University). While at the Festival, I also attended other panel discussions, talks, and new productions of plays, both about Williams and other authors.

This is the largest literary festival focusing on Williams' plays and related new work, and is attended by scholars and theatre practitioners from all over the world. The Festival is an opportunity to network with international scholars, directors, playwrights, and actors, and to connect with graduate students and faculty who are writing about and teaching Williams, as well as to hear playwrights, novelists, actors, and directors speak about their most recent work. One of our Citytech students had also submitted a short story to the student literary contest this year.

See <http://www.tennesseewilliams.net/festival/speakers> and <http://www.tennesseewilliams.net/festival/schedule> for events and photos.

## **21. Rebecca Shapiro**

Instructor

English

### **Abstract**

Gender and the Jew Bill of 1753

In 1753, a group of Members of Parliament sponsored a bill to naturalize approximately one hundred wealthy, mostly Sephardic Jews, allowing those men to avoid having to take the Oath of Allegiance to the Anglican Church or undergoing the costly and inconvenient seven year-long denization process in the colonies. The Jewish Naturalization Bill addressed the situation in which "many persons of considerable substance, professing the *Jewish* Religion, [were] prevented from being naturalized" as English citizens because their faith would not allow them to "*receive the Sacrament of the Lord's Supper, and the Oath of Allegiance, and the Oath of Supremacy.*" After considerable and sometimes nasty debate, the Bill was eventually passed. Afterwards, however, the general public protested so strenuously that the benefits for England were ignored and the consequences exaggerated and distorted. The intensely chauvinistic reaction forced Parliament to repeal the Bill early the next year. Arguments against Jewish naturalization illustrate both the typical anti-Semitic stereotypes and the philo-Semitism that characterized conversion strategies. However, I believe that an essential fear of Jewish male sexuality and the financial power it represents underlies all the claims against the legislation. The male Jew was derogated for being circumcised and pamphlets opposing the Bill took advantage of the association between this "physical lack" and alleged feminization and powerlessness, satirically predicting that if Jews were naturalized, they would force English men to undergo that same process of symbolic emasculation. Paradoxically, there is an interesting nexus in the definitions of the word "rape" surrounding the Bill, with the archaic use, "to steal property" linked to the more current one, "to steal virtue." Essentially, publications asserted that if the Jew Bill were passed, Jewish men would steal English women from English men and also defraud English institutions and the government. Jewish men were thus accused of taking the "virtue" not only from English women but also of stripping national property and landmarks of their native purity. The explication is that women are to be traded among men just like money and guarded like national treasures.

The English fear of losing social and religious control, which underlay biblical arguments against the Jew Bill, often materialized in ridicule of what was considered the most noted

physical difference between Jew and gentile: circumcision, for gentiles a symbolic manifestation of male castration. Though many of the references to circumcision in the literature against the Jew Bill are unquestionably humorous, they are obviously meant to degrade the male Jew for his apparently considerable ability to deprive the English of their inherent power. As a result, the gentile male inverts his fear of emasculation and derides the male Jew for his supposed lack of potency. Likewise, the idea of the Jewish man illegitimately taking over those rights that were considered solely English surfaces repeatedly in references to the English being literally circumcised, and thus figuratively disempowered, by the Jews. The rationale was that as long as the English way of life--religion, class system, and economy--had lost its hold on authority to the Jews, the English may as well concede defeat, submit en masse to that rite of emasculation, and make it fashionable. For example, a mock advertisement announces: "Moses Ben Amri, Surgeon, . . . Begs Leave to inform the Publick, that He Circumcises in the safest, easiest, and most expeditious Manner. N. B. He will wait on people of quality at the other end of the town at their own houses, on proper notice (*Pieces on the Jew Bill* 42). Certainly the humor comes out in the ad, but it barely masks the stronger fear and resentment that the English felt powerless against the potency of the Jews. The visceral reaction indicates the high degree of anxiety that the English felt at not being able to contain a minority and this is perhaps the best example of how masculine potency, financial prowess, and exclusive Englishness were synthesized.

The power of this type of corporeal anti-Semitism can be registered in the simple metonymy of the stereotypical trope of the Jewish stage character in the anti-Jew Bill play *The Temple of Laverna*. According to the stage directions, the Jewish characters somehow display every convention associated with male Jews, such as circumcision, even when clothed. The opening stage directions of the first scene describe how "The curtain draws and discovers a group of circumcised exotick figures, all having selfishness, and a thorough contempt of what ideal moralists call benevolence, strongly depicted in their countenances" (17). Circumcision supposedly marks the Jew as inferior, threatening, devoid of the "Christian" virtue of benevolence, and subhuman, an object of humor, even when he is clothed. Nonetheless, the inner character and actions of Jewish men in particular are often determined by the designation of their outward appearance, and since circumcision cannot be observed on the outside, it must be assumed, and assumed to be an essential characteristic of the Jews' degenerate and barbaric racial character.

Opponents of the Jew Bill also insisted that Jews should not be allowed to purchase or pass on landed estates. This tension surfaces in the fear of Jews stealing, or "raping," in an etymologically archaic sense, English property, both land and women. The argument is that Jews do not sufficiently possess the innate strength and moral fiber that native English men have to support the noblesse oblige that should maintain an estate or parish. One of the alleged differences, between Jews and gentiles, is that as long as Jews remain unconverted, as landowners they would not be able to accommodate the ways and needs of their neighbors or tenants. Here, the markers of class and religion are conflated and hierarchicalized: a rich Jew is never superior to a poor Christian, but a wealthy, converted Jew is quite threatening to the status quo. An anonymous piece entitled *A Letter from a Gentleman to His Friend Concerning the Naturalization of the Jew* reveals a range of gentile fears about Jews: "It is practised in almost every great city in *Europe*, where *Jews* reside; to appoint them certain quarters of the town distinct from the rest of the inhabitants. Under such circumstances they cannot make any great impressions on the minds of the common people. But give them an unlimited power of naturalization in this country, in consequence of which they may purchase lands. . . . Let them be the only persons of weight, in several towns and villages, remote from the capitol. Let the common people in such places, be left without the *example, influence, or protection* of any man above their own level, except a *Jew*; . . . there are just grounds to apprehend, that we should

suffer more by the exchange of the *English* country-gentleman, for the foreign *Jew*; than we should gain by the acquisition of those riches, by means of which, estates might pass from the hands of *Christians* to those of *Jews*." (13) This passage addresses the intersection of such cultural designators as race and class; while the author detests the idea that Jews will be close to the seat of power, he seems reconciled to the fact that Jews are there to stay, perhaps even necessary to a healthy economy. The author recalls Edmund Isham's argument against the Jew Bill by invoking fears of Jewish attempts to deprive the English of land and Christianity, birth-rights that only they can inherit, not purchase. The letter invokes the ghetto and appears to approve of its implementation in England to both take advantage of Jewish wealth when they need it but also to maintain the Jews as exiles within the nation where Jews could be surveyed and disciplined. As the piece purports to be a letter from a gentleman, the content reinforces the patronizing and paternalistic attitude in English society toward the lower classes that are need to be controlled and cared for, while at the same time it derogates the Jews for desiring to exceed their borders.

The Jews for whom the legislation was devised, and who the author disparages as attempting to assimilate illegitimately into English society, were primarily Sephardic, a group generally more historically settled, wealthy and secular than the Ashkenazim, who were more recent to England. Eager to move into the middle class, several wealthy families had already purchased large estates and were more likely to intermarry and assimilate into English society. Many of those Sephardim had lived in Europe for generations as Catholics, or as conversos, and because of a certain estrangement from the Jewish community, they were unlike the Ashkenazim who adhered more strenuously to their religion and its outward trappings (Endelman, *Jews* 120). Yet to the authors of these works against the Jew Bill, even if Jews desired to become English, the indelible difference between Jew and gentile cannot be eradicated simply by attaining wealth or conversion. There must be something that is inherently "English," and there is an indefinable cachet inherent in the possessor of the estate that cannot be "bought," or transferred. In this way, the Jew is alienated in a way that never affects other Englishman. If other Englishmen acquire fortunes and rank through trade—or even entail—their acceptance into upper ranks of society may be smoothed by the passage of time, but Jews cannot buy Englishness. When Jews do aspire to raise their standing in the class system and assimilate to the uniquely "English" ways and manners, they are still seen as usurpers of English national identity and character. This argument, therefore, is racialized more than it is motivated by class concerns. Removing the Jews from the land seems to avert the possibility of both English land and English women being raped by the Jewish male who asserts over them different kinds of capital.

In addition to the threat of Jews allegedly appropriating property that rightfully belongs to the English, the issue of intermarriage arises with the possibility of Jews assimilating by moving from the city to the country. The concern was that English daughters taken as partners by Jews rather than by English gentlemen would prevent alliances between landed English families through the exchange of women as a form of capital. This anxiety manifests itself in ways similar to the argument against Jews entering professions other than trade: they would deprive second sons and other needy Englishmen of once-guaranteed secure social positions. If Jews were to enter English society through intermarriage and the marker of class were eliminated through accumulation of wealth, another way to designate the subordinate presence of the Jew must be found, and it is race. As the Sephardim were believed to be generally darker complected than the English, an easy way to distinguish them from the native population was by their Mediterranean skin color and features. On the other hand, the Ashkenazim were likewise designated by such superficial markings as their dress, and hair, even though like the Sephardim, they also were coded "Jew." For the anti-Semite, therefore, the problem of intermarriage and

infiltration would be solved if the Jews remained safely confined to their ghetto. Even if Jews could be safely contained, fear of Jews would remain. Historical evidence shows there need be no actual Jews present for fear and panic to erupt.

Since so much of the criticism of Jews focuses on their supposed economic acquisitiveness, this discussion must also be cast in capitalist terms. England in 1753 was beginning to shift from an agricultural-based economy to an industrial one, and because Jews were associated with the exchange of intangible capital, they were necessarily implicated in English anxieties over this transition. Therefore expressions of public sentiment took on a different, more nationalistic tone that manifested a paranoid anti-Semitism focusing on manhood. When arguments are made, for example, for the ostensible “good” of a people or a nation, they are that much more difficult to pin down and refute. When the threat is eliminated, it is ostensibly for the good of the nation—in this case, English men protected against the challenge of Jewish men. One thing is clear, that the “difference” enforced on the Jews (and others) in England exposes the frustration that the “native” English experienced, deeply uncomfortable with the truth Defoe famously asserted, that the English are a mongrel nation.

## **22. Fangyang Shen, PhD**

*Assistant Professor*

*Computer Systems Technology*

### **Workload Based Optimization Model for Parallel Disk Systems**

10th International Conference on Information Technology, Apr. 2013

#### **ABSTRACT**

Researchers are struggling for building high reliable and energy efficient parallel disk systems for years. With the times of energy crisis, conserving energy in parallel disk systems has a large impact on reducing cost of disk systems and other related backup systems. In addition, it will conserve a lot of energy consumed by parallel disks in high performance computing systems. Moreover, Disk reliability is also significant for data integrity. While different reliability models and energy conservation techniques have been developed for parallel disk systems, most solutions do not consider two factors together in an optimization prospective and they do not consider the impact of disk workload. In this paper, we build a high reliable and energy-efficient parallel disk system. Specifically, we develop a quantitative reliability model for energy-efficient parallel disk systems based on disk workload. With our new model, we can achieve the optimization on disk reliability and energy efficiency in parallel disk systems.

## **23. Satyanand Singh**

*Mathematics*

### **An Odd Proof(Partial) of Erdos' Ternary Conjecture**

*The 46<sup>th</sup> Annual NYSMATYC Conference 2013*

*“Everything You Can Imagine Is Real”*

#### **ABSTRACT**

A study will be made of a famous ternary conjecture of Erdos. For  $k > 8$ ,  $2^k$  is not the sum of distinct powers of 3. We will prove its validity for odd exponents, trace its history and discuss its applications to divisibility by primes and prime powers of the middle binomial coefficient. We will also talk about related open problems.

**24. Maura A. Smale, Ph.D.**

*Associate Professor*

*Library*

**Quest for Engagement: Innovative Library Instruction with Games-Based Learning**

*Association of College & Research Libraries Conference, April 10-13, 2102*

Co-presented with Mary Snyder Broussard, Lycoming College, PA, and Scott Rice, Appalachian State University, NC

**ABSTRACT**

There is solid research demonstrating that digital and non-digital games can positively impact student learning, and many academic librarians incorporate games-based learning into their information literacy and library instruction practice. Despite the benefits of games-based learning for information literacy and library instruction, adding games to our pedagogical toolkit may initially be daunting, especially for academic librarians who do not consider themselves to be gamers. In this panel, three academic librarians will discuss their use of games inside (and outside) the library classroom. Each presenter will briefly describe creating and implementing their instructional game, from game goals and student learning outcomes, to prototyping and playtesting, to playing the game with students. We will conclude with strategies and best practices for academic librarians wishing to incorporate games of any level into their information literacy and library instruction.

**25. Liana Tsenova, M. D.**

*Assistant Professor*

*Biological Sciences Department*

**A Study on Healthcare-associated Infections and Multi-Drug Resistance, an Integrative Approach**

*SENCER Washington Symposium and Capitol Hill Poster Session, March 10-12, 2013*

*The National Center for Science and Civic Engagement*

**ABSTRACT**

One of the SENCER ideals is to connect science and civic engagement by teaching through complex unresolved public issues. Using this approach and inspired by SSI 2009 in Chicago, we established a collaborative interdisciplinary project for undergraduate students at the NYC College of Technology, led by faculty from the Biological Sciences and Mathematics Departments. The project addresses the need for public education and awareness of (1) healthcare-associated infections (HAIs), and (2) multi-drug resistance. HAIs are caused by a wide variety of bacteria, fungi, and viruses that patients are exposed to during the course of medical care. According to the Center for Disease Control, HAIs affect approximately 2 million people annually in the US and are among the top ten leading causes of death. HAIs and complications associated with them carry an annual \$26-\$33 billion financial burden on our healthcare system. The goal of our study was to define the most common bacterial species responsible for the spread of HAIs in Brooklyn, NY; identify risk factors and define the role of multi-drug resistant isolates. Over three semesters, students performed literature searches, obtained data from 15 Brooklyn hospitals on the rates of multi-drug resistant HAIs and analyzed the data statistically, using regression analysis. The antibiotic resistant isolates of *Klebsiella*, *Pseudomonas*, and *Acinetobacter* had correlations close to 1. Linear regression could be used to make predictions. The information gained in this project highlights the importance for immediate action in

combating HAIs and supports the need for a public health campaign. The project provided students in Microbiology and Statistics with the opportunity to conduct research, perform scientific and mathematical analyses, discuss issues and exchange opinions. The project helped students to understand better the complex interaction between microbiology, epidemiology and mathematics needed to understand and develop preventative measures to help combat HAIs.

**Authors:** *Liana Tsenova<sup>1</sup>, Urmi Ghosh-Dastidar<sup>2</sup>, Arnavaz Taraporevala<sup>2</sup> and Pamela Brown<sup>3</sup>*  
*<sup>1</sup>Biological Sciences Department, <sup>2</sup>Mathematics Department, <sup>3</sup>Associate Provost*

## **26. Shauna Vey, Ph.D.**

*Associate Professor  
Humanities*

**Shauna Vey, Hollis F. Glaser, and Suzanne Epstein:**

**The Basic Communication Course at a Multi-Campus Public University**

*Eastern Communication Association (ECA), Pittsburgh, April 24, 2013.  
Basic Course Conference*

### **ABSTRACT**

This study investigates the basic communication course across a multi-campus public university. Through direct observation, institutional research, and on-site interviews at the undergraduate colleges of the City University of New York, the investigators construct a comprehensive dataset and draw conclusions regarding the following fields of inquiry: (1) departmental characteristics and placement, (2) faculty characteristics, (3) basic course administration, organization, standardization, and assessment, (4) technology and distance education. The data is compared to two national studies and suggestions are made for other public universities to similarly study their own campuses.

## **27. Tshombe R. Walker**

*Assistant Professor*

*African American studies*

*Title Locating Hip-Hop: An Afrocentric Dialogue.*

### **Abstract:**

Locating Hip-Hop is an examination of Hip-Hop's collective consciousness on terms consistent with the historical and cultural imperatives of Black thought and creative expression. This study works to identify the best of Hip-Hop rhetoric through discursive dialogue with the African American cultural-aesthetic and intellectual heritage. It also affirms Hip-Hop intelligence through constructive interrogation of its arts and rhetoric from the vantage point of the broader African American collective consciousness.

## 28. Daniel Wong

Asst. Professor

Web Design

Advertising Design & Graphic Arts

### **Presentation Title:**

Mobile App Game Design For Social Networking And Promotion Of Creative Works: A Grant Funded Research Project Executed By Undergraduate Students

### **Abstract**

8 undergraduate communication design students, under the direction of Prof. Daniel Wong and design research assistant Matthew Scheer conceptualized a mobile game app for Artbox, LLC. The educational goal of the project was to offer research, innovation, and development experience on a real world business project.

Over 8 months, the team researched the target consumers who were practicing fine artists in the New York City area. They met with industry leaders to do market research, did competitive market analysis and interviewed practicing fine artists.

Using the latest technologies available to aid their research, they innovated a mobile game app concept incorporating social media strategies designed to encourage professional networking among creatives.

## 29. Adrienne Wortzel

Professor

Entertainment Technology

**Presentation Title:** archipelago.ch

Conference title and Date: Robots on Tour, March 6-11

Conference Them: Humanoid Robotics

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### **ABSTRACT**

The premiere in Switzerland of my film initiated in my residency at the Artificial Intelligence Laboratory at the University of Zurich, Switzerland on my 2004 sabbatical in collaboration with Dr. Daniel Bisig. “**archipelago.ch**” depicts a tour of newly discovered “islands” which are actually a series of robotic research labs at the Artificial Intelligence Laboratory, University of Zurich. **archipelago.ch**” iterates the discovery, analysis and interpretation of their terrain and indigenous creatures: the “creatures” inhabiting each island are the idiosyncratic robots evolved by each researcher from their choice of morphologies occurring in nature, i.e., a insect eye, mouse whiskers discerning textures by touch, etc.

A presentation: “What’s Love Got To Do With It: Dramatic Scenarios and Expressive Language in Scientific Research Environments.” Discusses my robotic installation “The Battle of the Pyramids” in terms of the invention of narratives nascent to technological research, the deployment of these narratives in parallel to research methodologies, i.e., fictive scenarios built on an armature of empirical knowledge and examination and oblique display of aspects of technological research such as how humans might relate to machines, and how machines, if they could, would relate to humans.

### **30. Lin Zhou, PhD**

Assistant Professor

Applied Mathematics

Mathematics Department

#### **Diffusive Effects on the Transient and Steady State Shear Responses of the VCM Model for Wormlike Micellar Mixtures**

The Society of Rheology 84<sup>th</sup> Annual Meeting

February 10-14, 2013

#### **Abstract**

Wormlike micelles are known as 'living polymers' because they can break and reform continuously. Imposed shear or extensional stresses can enhance the breakage rate and couple the external stress field to the microscopic dynamics. The VCM (Vasquez, Cook and McKinley) model is a two-species kinetic theory model of wormlike micelles that incorporates this coupling in the breakage and reforming mechanisms of the "worms". This model has been used successfully to describe flows of wormlike micellar mixtures in different deformation histories including Taylor-Couette shear, pressure-driven channel flow, and also extensional flow.

In this talk, transient and steady state responses of the VCM model under start-up of steady shear are discussed. In particular, the important role that diffusive processes in the stress and number density play during the formation of shear bands, in the transient stress response, and in the shape of the steady-state flow curve are examined. The transient response of the model can be divided into four distinct regions which include; (i) initial propagation of an elastic shear wave, (ii) viscoelastic stress overshoot, (iii) nucleation and growth of the shear band as the shear stress plateaus, followed by (iv) a long slow diffusive period as the shear-band migrates and the stress relaxes to a final steady profile. The long time effect of the diffusion is a focus of the work, and the model predictions are compared with recent experimental results. Computationally, a conformal mapping strategy (adaptive method) is used to control the spatial discretization so that the shear-band 'kink', (i.e. the sharp transition region in the velocity profiles between the bands of dissimilar shear rate), remains well resolved even for small diffusion constants.

### **Corina Calinescu, PhD**

Assistant Professor, Department of Mathematics

#### **International conference "REPRESENTATION THEORY XIII" at IUC, Dubrovnik, Croatia, June 21–27, 2013**

<http://web.math.pmf.unizg.hr/~congress/Dubrovnik13/>

**Title of the talk:** Vertex-algebraic structure of principal subspaces of standard  $A^{\wedge}(2)_2$  – modules

#### **Abstract of the talk:**

The principal subspaces of standard modules for untwisted affine Lie algebras, introduced by Feigin and Stoyanovsky, have been further developed by several authors from different standpoints. Extending our work on principal subspaces of level one standard modules for the untwisted affine Lie algebras of types A, D and E, we introduce

and discuss the principal subspaces of certain standard modules for the twisted affine Lie algebra  $A^{(2)}_2$ . Our approach is based on vertex operator algebra theory. This is joint work with J. Lepowsky and A. Milas.

**Awardee(s) Iem Heng**

*Rank Assistant Professor*

*Discipline Computer Engineering*

*Department CET (Computer Engineering Technology)*

**Presentation Title Attracting College and High School Students to Study Engineering Technology through Hands-on Mechatronics Product Design Projects**

*Conference Title and Date 120<sup>th</sup> ASEE Annual Conference and Exposition (June 23 -26, 2013) in Atlanta, Georgia, USA*

*Conference Theme Engineering Education*

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## **ABSTRACT**

This poster presents the work on using hands-on mechatronics design activities to attract college as well as high school students to study engineering technology. This work is supported by a grant from National Science Foundation (NSF) Advanced Technology Education (ATE) division. The Mechatronics Technology Center (MTC) established by the grant enables faculty members from different engineering technology fields to introduce mechatronics technology to college students through multidisciplinary hands-on design projects, enable students from mechanical engineering technology, computer engineering technology, electrical engineering technology, industrial design technology, computer system technology to work together to engage in various hands-on undergraduate research projects, enable the college to reach out to local high school students who have interested in engineering through hands-on robotic design projects. These hands-on activities exposed the latest mechatronics technology to the students and at the same time encourage the students to study engineering technology. Engineering technology encompasses many engineering technology fields: mechanical engineering technology, electrical engineering technology, computer engineering technology, or other related engineering technology fields. Our integrated hands-on approach in introducing the multidisciplinary design projects to students, make them to realize the intrinsic relations among the four STEM fields and their interdependency.

## **Plasmonics in Optical Communications: Optimization of Coupling Efficiency**

Djafar K. Mynbaev

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**Abstract**—Modern optical communications technology requires miniaturization of the end equipment to micro- and even nanoscale. At this scale, interaction of light with this equipment becomes difficult due to diffraction limit. This problem can be solved by the use of plasmonics, which confines light into subwavelength dimension and, additionally, create a strong field enhancement. One of the major plasmonic problems for our application is the efficiency of coupling of light into a metal-dielectric interface, which is mainly determined by the properties of a metal. In this paper, we presenting the results of our search for an optimal (ideal) metal whose properties provide the best coupling efficiency at 1550 nm — the main transmission wavelength in optical communications.

**Keywords-** *Optical communications, plasmonics, coupling efficiency*)

Ashley Christine Grill, RDH, MPH *Assistant Professor Dental Hygiene*

**Delegate to the American Dental Hygienists' Association (ADHA) representing the Dental Hygienists' Association State of New York (DHASNY).**

**Meeting Summary:** *American Dental Hygienists' Association (ADHA) Annual Session, House of Delegates. Boston, MA* **ABSTRACT:** This year we had two students from New York City College of Technology present posters at the ADHA Annual Session: Maria Kostova and Jodie Nathan. During the ADHA House of Delegates, where I represented the Dental Hygienists' Association State of New York, the following amended version of the proposed resolution I put forth was adopted by the ADHA House of Delegates: "That, ADHA advocates communication and access to documentation for dental patients regarding the manufacturers and materials provided in their dental care." As the maker, I presented this with the support of District II (NY, CT, PA, NJ) and it passed the House of Delegates. There was much testimony in support of the resolution. The following justification was given on the house floor by delegates from multiple regions, including the Chair of the Council on Policy and Bylaws: 1. It is in line with ICH Guidelines on ethical treatment and informed consent. 2. It creates trace-ability (the concept that disease can be traced back to its origin should a contamination occur). 3. There are reported cases of contaminated bone in grafting material this past year, and not all informed consents require the manufacturer or material to be listed. 4. Reports of lead contamination in crowns in the newspapers reports in recent years. 5. Substandard lab work was reported from Minnesota. 6. The original intent of the proposed resolution was to help identify and create documentation for implants, but was expanded by the Council on Policy and Bylaws due to known issues in the industry. 7. It is in line with Level II medical procedure codes (CPT). The house reworked several existing policies, in addition the ADHA defined Advanced Practice Dental Hygiene, and advocating that the dental hygienist promote health literacy. There was much discussion of the need for diversity and inclusion in dental hygiene at the Diversity Forum. There is a lack of role models for diversity in dental hygiene leadership across the country. ADHA is collaborating with the Office of Minority Health to build training for the profession on this topic to build cultural sensitivity, and hopes to provide training next year.

**Johannah Rodgers, PhD**

*Assistant Professor*

*English*

## **Worlds Without Beginning or End: Exploring the Roles, Relationships, and Implications of Multiple Storyworlds in Interactive Digital Fiction**

*Narrative Society Conference, Manchester Metropolitan University, Manchester, UK June, 2013*

### **ABSTRACT**

Although the genre of interactive digital fiction is still an emerging one, as experiments in the genre continue and multiply, there is a growing need to better understand how certain key terms of narrative theory function in these electronic literary works, as well as to understand how these new works may alter or expand definitions of these terms. One example is the term storyworld. How is storyworld defined in a fictional work that includes hyperlinks to other fictional and non-fictional texts, embedded in which are hyperlinks to other texts that may themselves become part of a reader's reading path?

How might multiple storyworlds interoperate? What are the implications of the existence--and potential creation of--multiple storyworlds on the definitions and roles of authors and readers of interactive digital fiction? What might the ability to trace reader-constructed storyworlds from multiple texts reveal about narrative logic? Drawing on the work of Katherine Hayles ([Electronic Literature](#)), Alice Bell ([The Possible Worlds of Hypertext Fiction](#)), Marie Laure Ryan ([Avatars of Story; Narrative as Virtual Reality; "Possible Worlds"](#)), Michael Joyce ([Of Two Minds](#)), David Herman ([Storylogic](#)), and Umberto Eco ([The Open Work](#)), this paper considers the ways in which multiple storyworlds overlap and interact in relation to [DNA](#), a Web-based interactive digital fiction project that was launched in serial form in February, 2013.

*July 8, 2013*