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A Letter From The Chair: *Engaging Through Research*



Greetings from Georgia Tech's School of History, Technology, and Society!

Georgia Tech faculty often speak of being “engaged in research.” The phrase is appropriate. Scholarly work involves deep commitment. For those of us in fields such as history and sociology, it means months or even years spent digging through archives or doing field work, followed by long bouts of analysis and writing. It’s no wonder our loved ones sometimes describe us as wedded to our work, or that we crow like proud parents with the arrival of each new article and book. (For examples, look further in this newsletter.)

Yet, for a number of reasons, I prefer a slightly different phrase: engaged through research. Contrary to what many people believe, research does not draw faculty away from practical concerns or isolate them from other responsibilities, such as the education of our students. Rather, research is a reflection of our deep engagement with the world. It is also a pathway to more meaningful involvement with our students, and a hallmark of the HTS undergraduate and graduate experience.

Glance down the list of HTS faculty, and you will see obvious examples of researchers addressing

matters of pressing societal importance. Willie Pearson, Jr. draws upon decades of study to advise policy-makers on ways STEM education and careers might be made more accessible to underrepresented populations. John Krige contributes to discussions of nuclear proliferation and evaluates how concerns about national security alter the global conduct of science. Jennifer Singh explains how patients and their families can actively shape medical research agendas into diseases such as autism. Kristie Macrakis’ comprehensive history of invisible ink, published this spring, speaks to timely matters of secrecy, surveillance, and security. Bill Winders examines how economic policies can heighten the risk of global food crises. And as the world confronts the emerging crisis of the Ebola virus, John Tone’s historical studies of infectious diseases and global public health responses have never seemed more pertinent.

Less obvious, perhaps, but no less vital to today’s world, are the research agendas of historians such as Laura Bier. Her studies of women and domestic technology in Egypt elucidate the social fabric of the modern Middle East. No less prescient are Larry Foster’s probing analyses of religious sects in the

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A LETTER FROM THE CHAIR, CONTINUED...

United States or Carla Geronzi's rich portrayals of life in the American southwest. Both offer timeless insights into the complexities of ethnicity, religious identity, and political authority in borderland settings, subjects we encounter daily in the headlines. Or consider Jenny Smith, whose new book on Soviet agricultural projects sheds light on why grand plans often go wrong, while also helping us comprehend how such episodes still echo in Putin's Russia. Or Hanchao Lu, just returned from a year at Harvard's Radcliffe Institute, whose numerous books provide richly detailed portraits of Chinese urban life.

In our new field of expertise, sports studies, Mary McDonald shows us how sports serve as societal mirrors through which we discuss matters such as sexuality, gender identity, and domestic violence, while Johnny Smith uses sport as a lens on American

race relations. Cultural historians Greg Nobles and Ken Knoespel, plying our more familiar ground of science studies, remind us through their fresh takes on James Audubon and Isaac Newton that scientific endeavors have often involved novel techniques of visualization, such as drawings and maps, much as today they depend upon graphic displays of data and computer simulations.

Yet another cluster of HTSers offers glimpses into enduring matters of politics and governance. Jon Schneer's forthcoming book on Churchill's war cabinet, Dan Amsterdam's on business leaders and American cities, and Doug Flamming's ongoing project on the passage of the Civil Rights Act are sorely needed studies of exemplary leadership. I was surprised, but pleased, to see my own work on nineteenth century railroads informing current White House recommendations and

Congressional debates regarding proposed legislation aimed at curbing so-called patent trolls.

One of the true joys of teaching at a place like Georgia Tech is the opportunity to share such research findings with extraordinarily capable students. In lectures, seminars, and practicums, our students are not only exposed first-hand to these emerging bodies of relevant knowledge; they are tutored into the very same methods of data collection, analysis, and communication that faculty deploy in their own research. Through hands-on experience acquired via close interaction with faculty, HTS alums develop habits of inquiry and social commitment. Steeped in a culture of research, they emerge ready to engage the world.

Steve Usselman
Professor of History and Chair

We welcome your support.

Please consider a tax-deductible donation to HTS.

You can donate with this form by visiting www.hts.gatech.edu/donate.

Mail the above form and a check with "HTS-General Fund" in the memo line to Georgia Tech Foundation; 760 Spring Street NW, Suite 400; Atlanta, Georgia, 30308.

For credit card gifts, you will need to provide the Georgia Tech Office of Development with the gift amount and designation, credit card type, number, and expiration date.

A LETTER FROM THE UNDERGRADUATE DIRECTOR



“The School of History, Technology and Society? What is that? What do you do there?” This is a question I get a lot—standing in line at the grocery store, making small talk at cocktail parties, or anywhere the question “so, what do you do?” serves as an easy point of connection with new acquaintances. It’s a question I’ve had cause to think about a lot since starting as HTS’s Director of Undergraduate Studies this August. There are many possible answers—we teach, we mentor, we conduct research, we serve our school, our college, and the institute. But none of those really captures what is unique about HTS.

HTS is a unit which, by design and inclination, crosses boundaries—disciplinary boundaries, geographical boundaries, and temporal boundaries. We situate science, technology, and medicine in its political, social, and historical context in order to answer novel questions about historical phenomenon and contemporary

problems. Whether the focus is on the Middle East in the 15th century or Middle America in the 20th, the sociology of crime or the history of yellow fever, our faculty look at things in broad and different ways.

Nowhere is that more evident than in our undergraduate program, which continues to expand its course and degree offerings into new areas while building on existing strengths in Technology and Culture; Science, Health and the Environment; Global Studies; and Political and Social Movements.

Most notably this year HTS created a new minor: Sports, Society, and Technology (SST). The minor includes coursework from such diverse areas as architecture, international studies, applied physiology, business law, economics, history, and sociology. The unit is now home to five minors--History; Sociology; Health, Medicine, and Society; Science, Technology, and Society; and SST. We have also added ten new classes to our roster including courses on Gender and Sports, the Sociology of Education, the Civil Rights Movement, and Modern Russian History.

Our faculty have been recognized throughout the Ivan Allen College as outstanding teachers. Dr. John Smith won the IAC Teacher of the Year Award (non-tenure track) for

his teaching as a post-doc in HTS. The winner of this award is selected by the IAC Student Advisory Board. Dr. Smith was also selected as a Tech Class of ’69 Teaching Fellow this fall.

HTS majors continue to excel both inside the classroom and out, often crossing boundaries from being consumers of history to practitioners of it—conducting original research and being recognized for research excellence both at Tech and outside of it. Last year the unit acknowledged a number of our outstanding majors with school awards:

1. Danielle Sharpe, Anna Arnau (co-winners), Bellon Prize, awarded to an HTS undergraduate who has excelled in the areas of academic achievement, leadership, and personal integrity.
2. April Martin, Kendall Eide (co-winners), Bellon Research Award, which recognizes the HTS student who most exemplifies excellence in historical and social scholarship.
3. Matthew Price, HTS Chair’s Award, which recognizes the overall academic excellence of an HTS first year student at Georgia Tech (based upon the highest GPA).

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A LETTER FROM THE DIRECTOR, CONTINUED...

In addition, Kendall Eide was awarded a President's Undergraduate Research Award.

This year April Martin and Elizabeth Warden presented their research at the ACC Undergraduate Research Conference Meeting of the Minds. This prestigious gathering brings outstanding undergraduate researchers from throughout the Atlantic conference to share work. HTS is very proud that two of our students were selected to represent Tech. Rayni Baskowitz, April Martin, Danielle Sharpe, and Elizabeth Warden

presented at the Southeastern Undergraduate Sociology Symposium (SEUSS) and Anna Arnau Presented her work at the Phi Alpha Theta, the History honor society, conference. Finally, April Martin, Elizabeth Warden, and Danielle Sharpe represented HTS at the GT Undergraduate Research Symposium.

Last but not least, I'd like to thank the alums who gave up their time to join us for two events for our current majors: a discussion of graduate, professional, and law schools; and a discussion of career

opportunities for HTS graduates. Out in the world, our graduates continue to do us proud. Whether working in the private sector or in public service, pursuing further studies or launching their own companies, they remain the best example of what makes our undergraduate program vibrant and innovative.

Laura Bier

**Associate Professor of History
Director of Undergraduate Studies**

SELECT UNDERGRADUATE RESEARCH PRESENTATIONS

Hattie (Anna) Arnau- "Come on, White America!: Muhammad Ali, Floyd Patterson, and the Fight for Religious Supremacy." Paper Presented at the Phi Alpha Theta Undergraduate Research Conference.

Rayni Baskowitz- "Increasing Female Demographic in the Physician Assistant Profession in the United States." Paper Presented at the Southeastern Undergraduate Sociology Symposium.

April Martin- "Too Big a Storm: The Complicated Atmosphere Around Women's Sexual Problems." Paper Presented at the Southeastern Undergraduate Sociology Symposium, the ACC Meeting of the Minds Research Conference, and the GT Undergraduate Research Symposium.

Joyce (Danielle) Sharpe- "Using the Historical Context of Medical Exploitation to Understand the Distrust of American Medicine Among Southern African American Men." Paper Presented at the Southeastern Undergraduate Sociology Symposium and the GT Undergraduate Research Symposium.

Elizabeth Warden- "The Power to Keep Them Apart: The Reinforcement of Gender Stereotypes in Prescription Direct-to-Consumer Advertising." Paper Presented at the Southeastern Undergraduate Sociology Symposium, the ACC Meeting of the Minds Research Conference, and the GT Undergraduate Research Symposium.

UNDERGRADUATE AWARDS

Matthew Price, Chair's Award (HTS)

Joyce (Danielle) Sharpe, Bellon Prize (HTS) and GT Undergraduate Research Spring Symposium Outstanding Undergraduate Researcher (IAC)

Hattie A. Arnau, Bellon Prize (HTS)

Kendall Eide, Bellon Research Prize (HTS)

April Martin, Bellon Research Prize (HTS) and GT Undergraduate Research Spring Symposium Best Oral Presentation (IAC)

Audrey Owens, Possible Woman Foundation International Scholarship

REFLECTIONS FROM AN HTS ALUM: CHRIS YOUNG

How did a kid raised in the rural hinterland of South Georgia, surrounded by fields of peanuts and cotton, wind up running one of nine United Nations Institute for Training and Research centers focused on effectuating the Millennium Development Goals?

Georgia Tech. And specifically, the HTS program at Tech.



Young presents to a group of global protocol professionals at a regional education workshop hosted by PDI-POA and Boeing in Seattle.

I owe the launch of my professional track to an “ambush” meeting of sorts. I came to Tech sure of the fact that I would become a physician. Two chemistry classes quickly cured me of that misconception. But I had grown to love the Institute and wanted to stay.

A mentor connected me with Dr. Greg Nobles, then chair of the school. I arranged an appointment to meet with him for what I thought would be a simple conversation about the program. Instead, I walked into his office and saw two more gentlemen who became integral to my HTS and Tech experiences: Dr. Robert C. McMath, Jr., and Dr. August W. Giebelhaus.

Bob, the Institute’s vice provost, and Gus, a professor of the highest caliber, were part of the sales pitch.

They sold me on the cross-disciplinary focus of the curriculum, the caliber of the faculty, and the opportunities for careers. But it really did not take much. Two days later I changed my major.

The rest, pardon the pun, is history. Admittedly, I still have no idea what I want to be when I grow up. But so far, the ride has been a tremendous one.

Serving as the State of Georgia’s first Chief of Protocol and Director of International Affairs. Running a professional association with members on every continent. Directing a school dedicated to teaching international protocol, global business etiquette, and cross-cultural literacy. Traveling to almost 100 nations. Planning and then sitting in meetings with presidents, prime ministers, ambassadors, even royalty.

Not bad for a farm boy.

Today I direct CIFAL Atlanta, an affiliate arm of UNITAR. Our mission is to train local government authorities and civil society leaders, equipping them with the knowledge to meet the Millennium (soon to be Sustainable) Development Goals. We focus on capacity building at that local level where most problems are solved and most solutions are sustained. We do not simply award grants or throw money at a problem. Instead we do so through the transfer of knowledge and best practices.

My education at Tech -- especially in critical thinking, innovative problem solving, and the ability to link the past with the present and future -- prove every single day to be an invaluable foundation. I am proud to be a Yellow Jacket and to be an HTS alumnus!

Chris Young
HTS Alumnus

CONTACT HTS

History, Technology, & Society
Georgia Institute of Technology

Phone: 404.894.3196
Fax: 404.894.0535

Old Civil Engineering Building
221 Bobby Dodd Way
Atlanta, GA 30332-0225

Web: www.hts.gatech.edu
Blog: www.hts.gatech.edu/blog



ALUMNI NEWS

Elizabeth (Haven) Hawley

Haven was a visiting assistant professor in the History of Science and Technology Program at University of Minnesota-Twin Cities in 2013-2014. In June, she began her current position as chair of the Special and Area Studies Collections Department in the George A. Smathers Libraries, University of Florida. Haven was also published in RBM, a peer-reviewed publication in the field of special collections, for her research on "Revaluing Mimeographs as Historical Sources."

Megan D'Ambra

After graduating in May, Meg moved to Brookhaven and began working at the Atlanta based technology company, FotoIN. FotoIN provides a solution focusing on photo documentation and filing for many different industries such as construction, property management, etc. Meg serves as the Customer Success Manager and really enjoys linking up with fellow Tech grads at companies (i.e., construction companies) FotoIN serves.

Jessica Vaughan Posey

Jessica is an HTS grad from Fall 2008. She got married in August of 2013 and is graduating with an MSN as a nurse practitioner this December from Mercer University.

Lindsay Resnick

Lindsay is currently in her second year of the Master's of Heritage Preservation (MHP) program at Georgia State, working toward becoming an archivist. Over the summer, she was the archives intern at the Breman Museum and she is the graduate research assistant for the director of the MHP program.

Matt Collins

Matt started a new job as Director of

Intellectual Property Services with a law firm called BakerHostetler. They are based in Cleveland, but most of his work is in Philadelphia and DC. He is working out of Atlanta and traveling, and plans on moving to Philly spring of next year. About a month after taking the new job and deciding to move, Matt and his wife found out they are having twin girls!

Patrick Marcacci

Patrick has recently begun work for the telecom company Livevox after spending the summer volunteering for grassroots political organizations and advocating for liberty on a state and national level.

Yu Tao

Yu is an Assistant Professor of Sociology at Stevens, and she is now the Director of Gender and Cultural Studies Program. Yu is co-editing a book *Changing the Face of Engineering: The African American Experience* with John Slaughter, University of Southern California, and Willie Pearson, Jr. to be published by the Johns Hopkins University, likely in 2015. The book will focus on contemporary engineering education and workforce, address African Americans' experiences in engineering from a multidisciplinary approach. Contributors to the book include four members of the National Academy of Engineering (highest honor for engineers) as well as researchers and policy makers from academia, industry, and government.

Brian Ginn

Brian Ginn is an interdisciplinary artist recently chosen for the Tanne Foundation award. Brian's work involves both the creation of video art and the live manipulation of video in performance. He creates video with photographic techniques, computer creation and alteration. He collaborates with other

artists or musicians in a live setting to create live art. Ginn's theater work has been performed internationally with 7 Stages, Theater Emory, and Actor's Express in Atlanta, Georgia, and Dah Teatar in Belgrade, Serbia. His collaborative work with Dah Teatar brought him to Belgrade in 2001 where he met his future wife Bojana. He shares this award with her.



Brian Ginn, winner of the Tanne Foundation award, creates video art and live manipulations of video in performance.

Della Hall

Della has started her second M.A., which is Anthropology at the University of Alaska Fairbanks. She is working at the Museum of the North and the Pioneer Art Museum, as well as doing some consulting. Della also just completed her 200-hour Yoga Teacher Certification.

CONTACT HTS

Chair

Dr. Steven Usselman

steve.usselman@hts.gatech.edu

404.894.8718

Director of Undergraduate Studies

Dr. Laura Bier

laura.bier@hts.gatech.edu

404.894.6833

Director of Graduate Studies

Dr. Bill Winders

bill.winders@gatech.edu

404.894.8401

Associate Director of Undergraduate Studies

Dr. Amy D'Unger

amy.dunger@hts.gatech.edu

404.894.7448

A FEW HIGHLIGHTS FROM 2014

Schneer Featured on BBC's Witness

A new installment of the BBC's award-winning historical series *Witness* features Professor Jonathan Schneer discussing the London Dock Strike of 1889. Check it out at www.bbc.co.uk/programmes/p0288zcr.

HTS Holds Workshop "Dealing with Russia"

Over the course of three evenings in mid-November, faculty from across Georgia Tech's Ivan Allen College gathered to assess contemporary Russia in historical perspective. The event, supported by a grant from Georgia Tech Professional Education and organized by Distinguished Visiting Professor Nikolay Koposov (HTS), began with a keynote address by Professor Catriona Kelly of the University of Oxford. In addition to Koposov, who spoke on "Putin's Russia and Its Lost Empire, HTS participants included Assistant Professor Jenny Leigh Smith and Kenneth Knoespel, McEver Professor of Engineering and the Liberal Arts. Smith drew on her new book, *Works in Progress: Plans and Realities on Soviet Farms, 1930-1963*, to discuss the prospects for collaboration between Russia and the West. Knoespel discussed a number of such collaborations he has spearheaded during his decades of service to Georgia Tech. In fostering exchanges among experts from across the college, the workshop was intended as a springboard to further initiatives. Keep your eye out for a short course on Putin's Russia, to be offered through GTPE.

John Krige Elected Vice President/President-Elect of SHOT

John Krige, Kranzberg Professor of the History of Technology, has been elected Vice President/President-Elect of the Society for the History of Technology (SHOT). With more than 1,300 individual members around the globe, SHOT is the leading academic professional organization in the field. After serving two years as VP, Krige will assume the presidency in 2017-2018. Krige is the fourth member of the HTS faculty to serve in this capacity since SHOT's founding in 1958. The first was Melvin Kranzberg, SHOT's founder, for whom Krige's professorship is named. For more on Kranzberg and HTS's long connections to SHOT, see the article by Professor Emeritus Gus Giebelhaus at the end of this newsletter.

HTS Hosts Graduate Conference in the History of Science and Technology

This past spring, faculty and graduate students from across the Southeast gathered at Georgia Tech for a two-day conference devoted to emergent research in the history of science and technology. SoHOST, as the annual gathering is known, was organized by the HTS graduate student community, under supervision of Assistant Professor Jenny Leigh Smith. HTS Professor and Chair Steve Usselman kicked off the event with a plenary address, "From Circuits to Services: Technology and Globalization at IBM since 1945," prior to a Friday reception. Several HTS doctoral students were among those presenting papers during a full slate of sessions the next day.

SEMINAR ROOM NAMED FOR KRANZBERG

Through the generous support of the B&B Stern Foundation, the HTS Seminar Room (formerly known as 104 Old Civil Engineering) has been rechristened the Melvin Kranzberg Seminar Room. Kranzberg, who founded the Society for the History of Technology and served as the first editor of its journal *Technology and Culture*, was a longtime member of the Georgia Tech faculty and a central figure in the establishment of HTS. John Stern, the foundation's director and member of the Ivan Allen College Advisory Board, christened the newly named facility with a talk on his experiences in fostering innovation in the global apparel industry. In her remarks, Dean Jacqueline Jones-Royster observed that the seminar room is the essence of HTS, the place where students and faculty interact to share the latest research and entertain visitors from around the globe. For a sense of what occurs in the room, which family members have affectionately dubbed "The Mel," check out the list of speakers who appeared there this year.

FALL 2014 SPEAKERS SERIES

September 8 **JAMES BAMFORD**

"Everyone's a Target: Can NSA's Eavesdropping be Reined In?" (held in Student Center Theatre, co-sponsored with the Sam Nunn School of International Affairs)

September 22 **NICK SHAPIRO** (University of London)

"Attuning to the Chemosphere: Enervation, Exposure, and the Chemistry of American Domestic Space"

October 6 **DAMION THOMAS** (Smithsonian Institute)

"Curating for the 21st Century: The Case of Sport and the Smithsonian's National Museum of African American History and Culture"

October 20 **STEPHEN MIHM** (University of Georgia)

"Standard Capitalism"

October 27 **NANCY LANGSTON** (Michigan Tech)

"Mining, Toxics, and Environmental Justice"

November 3 **ANTHONY HATCH** (Georgia State University)

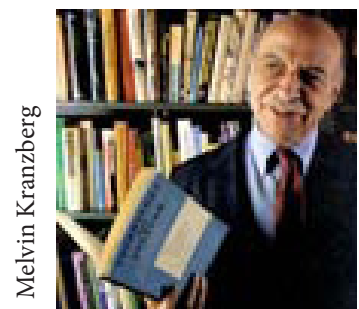
"The Politics of Metabolism: The Metabolic Syndrome and Race in America"

November 17 **ALEX WELLERSTEIN** (Stevens Institute of Technology)

"Digitizing the Bomb: Experiments with Nuclear History, Science, and Pedagogy"

December 1 **ANDREW HALEY** (University of Southern Mississippi)

"Kiddie Menus: Prohibition, Nutrition, and the Child Diner, 1920-1950"



Melvin Kranzberg

hts spring 2015 speakers series



School of History, Technology, and Society

All talks are held Mondays at 4.00 PM in the
Old Civil Engineering Building, Room 104
(unless otherwise noted).

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| 12 January | Jennifer Sterling (HTS, Georgia Tech)
<i>"Learning About Your Body: The Inside Story"</i> |
| 26 January | Jonathan Schneer (HTS, Georgia Tech)
<i>"Ministers at War: Churchill's War Cabinet"</i> |
| 9 February | Daniel Kleinman (University of Wisconsin, Madison)
<i>"Blurring Cultures, Building Hybridity: Remaking a University Identity in a Time of Crisis" *start time of 4:30*</i> |
| 16 February | John Krige (HTS, Georgia Tech)
<i>"Bringing the Worlds of National Security and Academia Together: From Commercialization to Risk Mitigation"</i> |
| 23 February | John Cressler (ECE, Georgia Tech)
<i>"Shadows in the Shining City: A Scientist Learns about Medieval Spain"</i> |
| 9 March | Gavin Wright (Stanford University)
<i>"Desegregating Southern Labor Markets"</i> |
| 23 March | Ronald Johnson (Texas State University)
<i>"Revolutionary Immigration: Being Haitian and Black in Early America"</i> |
| 6 April | Laura Carpenter (Vanderbilt University)
<i>"A Cutting Debate: Controversy Over Male Circumcision in the United States, Canada, and Great Britain"</i> |
| 20 April | Naomi Williams (HTS, Georgia Tech)
<i>"Race, Labor, and Coalition Building in a Deindustrializing City"</i> |



**School of History,
Technology, and Society**
Ivan Allen College of Liberal Arts

For more information, contact Kristie Macrakis
at kristie.macrakis@hts.gatech.edu.

A LETTER FROM THE GRADUATE DIRECTOR



Since becoming the Director of Graduate Studies in HTS this past summer, I have been pleased to get to know the program better. I am very fortunate to have LaDonna Bowen to work with, as she has made my transition into this position much smoother than it otherwise would have been.

I am also fortunate to take the helm of the program during a period of strength and vitality. We currently have almost 30 students in the program, and they are an active and successful group.

In August, I had the pleasure of welcoming seven new full-time students into the program. This is the largest group of new full-time students that HTS has seen for several years. And, they have brought renewed vigor to the program, not only with their numbers but also with their intellectual interests. (You can see this new cohort in the picture of their recent visit to the National Archives in Atlanta.)

And, the graduate student successes started immediately as I began this job: Sybrina Waters defended her dissertation the day I officially started as DGS! This adds to the list of recent

achievements by various students, including:

- Emily Gibson had a summer internship at the National Air and Space Museum.

- Peter Westin won a Doan Fellowship from the Chemical Heritage Foundation.

- Brian Jirout won two fellowships for 2014-2015, including a Guggenheim Fellowship at the National Air and Space Museum.

- Glo Ross recently defended her dissertation and accepted a job with the Government Accounting Office (GAO) as a research analyst.

More generally, HTS graduate students have made more than a dozen conference presentations during the past year. In short, there is much to be proud of where the graduate students are concerned.

This success is rooted in the graduate program, itself, which has two complementary strengths. On the one hand, the program offers students an opportunity to understand how technology and science are embedded in broader social contexts. Our faculty have won national and international recognition for their research in technology and science, and this focus permeates the graduate curriculum.

On the other hand, however, HTS is somewhat unique relative to similar programs in that it also brings sociologists and historians,

not all of whom have a scholarly focus on technology or science. These faculty bring a variety of interests and expertise to the graduate program, including politics, race, gender, social movements, health and medicine, urbanization, the environment, national development, and sports. This breadth in expertise makes the program stronger.

And, I would be remiss if I failed to mention that the HTS faculty also bring a broad geographic expertise, that sees about half of the faculty with a research focus that stretches beyond the U.S., including Europe, the Middle East, Latin America, and Asia.

All of this, I believe, represents the core strengths of the graduate program in HTS. They help to broaden the program focus in a way that strengthens how students understand the context in which technology and science are embedded.

Given the success of the graduate students and strengths of the program, I am excited to have the opportunity to play a central role in the graduate program for the next few years and to help strengthen the program's capacity to train excellent scholars and teachers.

Bill Winders
Associate Professor of Sociology
Director of Graduate Studies

SELECTED GRADUATE STUDENT RESEARCH PRESENTATIONS

Hyoung Joon An- “Seeking Independence in Space: A History of the Korean Space Program 1958-2013.” Paper presented at ISEB (International Space Educational Board), the 63rd International Aeronautical Conference, Beijing, China, September 21-27, 2013.

Sybrina Atwaters- “Multi-site Research as a Digital Being: Doing Ethnography in Borderless Bonded Communities of Second Life.” Paper presented at the Mid-South Sociological Association, Atlanta, Georgia, October 2013.

Glo Ross- “Mapping Atlanta’s Food Deserts: Spatial Analysis of Supermarket Access 1960-1991.” Poster presented at the Columbus State Graduate Student Conference, Columbus GA, October 2013.

Sybrina Atwaters- “Broadening Religious Studies: Considerations for Studying Digital Religion in Virtual Worlds.” Paper presented at the Department of Philosophy and Religion, Spelman College, Atlanta, Georgia, November 2013.

John Miller- “Communication and Innovation: Comparison of Union and Confederate Implementation of Telegraph Technology in the American Civil War.” Paper presented at the Atlanta Graduate Student Conference in U.S. History, Emory University, November, 2013.

Hannah Weksler- “Progressive Poultry: Innovations in the Business of Chickens, 1900-1920s.” Paper presented at the Atlanta Graduate Student Conference in U.S. History, Emory University, November, 2013.

Liang Yao- “Revisiting Chinese Nationalism: The National Products Movement and the Coca-Cola Protest in Shanghai.” Paper presented at the 53rd Annual Meeting of Southeast Conference Association for Asian Studies, Durham, NC, January 17-19, 2014.

Jonah Bea-Taylor- “Nanotechnology in Thailand: Defining the Role of Emerging Technologies in Achieving Sustainable Development.” Paper presented at the American Society for Environmental History, San Francisco, CA, March 12-15, 2014.

GRADUATE STUDENT REPRESENTATIVE: JONAH BEA-TAYLOR

This year we welcomed a large group of new graduate students, and their broad array of backgrounds and research interests have greatly enlivened our community. We continue to find ways of supporting each other’s research - from presenting works-in-progress, to dissertation writing groups, to informal coffee discussions.

We have also benefited greatly from the HTS Speakers’ Series where visiting scholars take the time to come early and chat about our research and share insights on the current state of their fields. This year it was a special treat to welcome prominent environmental historian Nancy Langston whose current work bridges sociology, history and Science and Technology Studies.

Graduate students are also taking the time to organize a variety of workshops to enhance our study and professional skills. These seminars tackle issues like perfectionism and procrastination, conference presentation strategies, and the publication process.

With leadership from second-year PhD student Rebecca Watts Hull, we have become more involved in campus sustainability efforts. These include recycling programs and reducing waste at the HTS Speakers Series.

Finally we remain involved in organizing the Ivan Allen Paper Competition which is now part of the annual Institute-wide Career Research and Innovation Development Conference (CRIDC). In past years, we have had several HTS students win awards for best paper in several categories. These come with significant travel funding. We hope this year to present our work to fellow graduate students across schools in Ivan Allen College, find areas of common investigation, and again bring back an award or two!

Jonah Bea-Taylor
Graduate Student Representative

DISSERTATION TOPICS OF CURRENT PhD STUDENTS

HANNAH WEKSLER

Early Modern Poultry Development from the Progressive Era to the New Deal

The study deals with the relationship between government and/or industry and four issues: electricity and poultry production, construction and coop materials, egg production and conservation, and transport and storage.

HYOUNG JOON AN

Seeking Independence in Space: Foreign Relations of South Korea in Space 1958 - 2010

This study charts South Korea's path from technological dependence on the US to an increasingly autonomous space capability.

EMILY GIBSON

Women Pilots and Commercial Airlines, 1930-1980

This thesis examines the role of gender dynamics in the formation of commercial aviation as well as the historically low numbers of female commercial airline pilots. A transnational study, it draws on material in the Delta, PanAm, and Air France archives.

BRIAN JIROUT

A History of NASA's Landsat Program

Landsat is a civilian earth observation satellite program

designed to monitor global environmental change.

The study centers on the politics of its use in the 1970s and 1980s.

JENNIFER GREEN

Retrofitting First Suburbs in the Postwar Planned Metropolis: Infrastructure and Environment in Essex County, New Jersey, 1945-1989

The research centers on environmental history and the politics of urban infrastructure in late twentieth-century America. Focusing on transportation, communication, energy, water supply, and sanitation, she examines how such systems evolved amid the frequently conflicting imperatives of metropolitan regional planning and desires for local control.

LIANG YAO

Politics in a Bottle: History of Soft Drinks in Modern China

This thesis examines how soft drinks acquired meaning and significance in the political economic context of Modern China. It shows how consumption was regulated and channeled in certain political and cultural ways.

RECENTLY DEFENDED DISSERTATIONS

GLORIA ROSS

Mapping the Development of Food Deserts in Atlanta, GA: Supermarket Accessibility from 1960 - 2010

This study traces the political, economic, and social forces that contribute to the development and decline of food deserts across Atlanta from 1960 to 2010. Specifically, it uses geographic information software and comparative neighborhood-level case studies to understand the spatial relationships between race, class, urban development, and access to food.

SYBRINA ATWATERS

Redefining the Sacred in 3D Virtual Worlds: Exploratory Analysis of Innovation and Knowledge Production through Religious Expression

This study uses participant observations and interviews to understand how virtual world users construct non-gaming religious communities and practices, exploring how technology impacts the forms of religious expression these users create.

Learn More About HTS:
www.hts.gatech.edu

HTS STUDENTS AROUND ATLANTA



Graduate Students (from left): Soo A Lee, Colin Penuel, Alice Clifton, Kera Allen, Mario Bianchini, Hanna Herdegen, Megan South, Xincheng Shen, Chris Zakroff

The Georgia Institute of Technology--and the School of History, Technology, and Society--is conveniently located in midtown of Atlanta. This provides excellent opportunities for site visits to historically and politically important agencies, museums, landmarks, etc.

During the summer, Bill Winders taught an undergraduate course about social movements, part of which focused on the Civil Rights movement. HTS provided funds for Dr. Winders to take his class to the newly-opened Center for Civil and Human Rights, which helped to bring to life some of the concepts and events discussed in the course.



PROFILES OF NEW FACULTY IN HTS

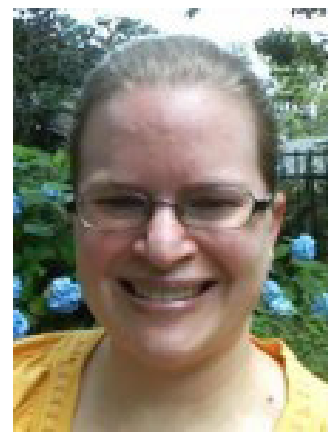


Naomi R. Williams, Visiting Assistant Professor of History

Naomi R. Williams (PhD University of Wisconsin-Madison) is a historian of the United States with a focus on labor, working-class, and African American history. She has received several honors, including an American Council of Learned Societies/Mellon fellowship. Her research interests include urban politics, race and society, and working-class history. She will teach African American History and U.S. Labor History. Currently, she is revising a book manuscript on the transformation of class identity and politics in the second half of the twentieth century.

Kristin Gordon, Visiting Assistant Professor of Sociology

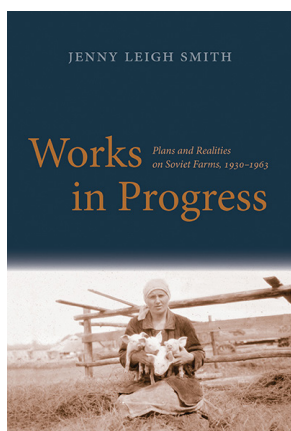
Kristin Gordon is a sociologist who specializes in sociology of education, social inequality, and social organizations. She completed her PhD in sociology from Emory University in 2010. Her research examines how recent education reform impacts the work experiences, perceptions, and responses of educators. Her work has been published in *Strong States, Weak Schools: The Benefits and Dilemmas of Centralized Accountability* edited by Bruce Fuller, Melissa Henne, and Emily Hannum and presented at numerous professional conferences. She is a recipient of a number of grants and fellowships, including a National Science Foundation Dissertation Completion Grant, Mellon Foundation Teaching Fellowship and the Maureen Blyler Research Award. Dr. Gordon has been honored to teach sociology classes at Emory University, Oxford College, Morehouse College, and Georgia Institute of Technology. Dr. Gordon is also working with the Center for the Enhancement of Teaching and Learning (CETL) in the Tech to Teaching program.



Jennifer Sterling, Postdoc in the Sports, Society, and Technology Program

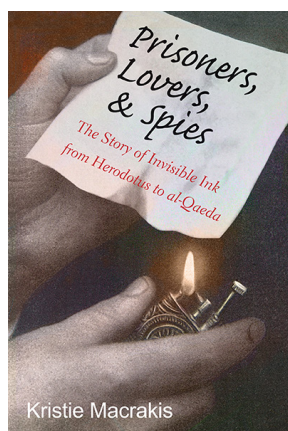
Jennifer Sterling is a postdoctoral fellow working with the Sports, Society & Technology (SST) program. She recently completed her PhD in Kinesiology (Physical Cultural Studies) at the University of Maryland, following research posts at Loughborough University (UK) and the Smithsonian National Museum of American History. Her research interests revolve around the disciplinary intersections of sports studies, science and technology studies, and visual culture. In particular, her research explores how visualizations of physically active bodies (e.g. medical imaging, personal data tracking, exhibition technologies) shape understandings of the body, and affect inequalities. She will be teaching SST courses such as Foundations of Sports Studies, and Science, Technology, and Sports.

NEW FACULTY PUBLICATIONS



Works in Progress Plans and Realities on Soviet Farms, 1930-1963

Dr. Jenny Leigh Smith investigates the gap between the plans and the reality of the Soviet Union's project to industrialize and modernize its agricultural system.



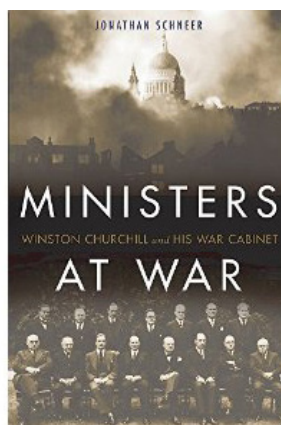
Prisoners, Lovers, & Spies The Story of Invisible Ink from Herodotus to al- Qaeda

Dr. Kristie Macrakis tells the story of secret writing from the ancient Greeks to the present day in historical context and revealed through stories.



Fifty Years of European Cooperation in Space Building on its Past, ESA Shapes the Future

Dr. John Krige details fifty years of European collaboration in space from the origins of the program to its rich complexity today.



Ministers At War Winston Churchill and His War Cabinet

Dr. Jonathan Schneer reveals that Churchill depended on a team of powerful ministers to manage the war effort as he rallied a beleaguered nation (forthcoming).



The Oxford Encyclopedia of the History of American Science, Medicine, and Technology

Dr. Steven W. Usselman, a specialist in the history of technology, innovation, and American political economy, served as the Senior Editor for the history of technology entries for Volumes I and II.

FACULTY AWARDS AND HONORS

Kenneth Knoespel, Honorary Doctorate, University of Umea 2013 and CETL 'Thank a Teacher' Recognition Fall and Spring 2013

Hanchao Lu, Harvard Radcliffe Institute Fellow, Harvard University/Radcliffe Institute for Advanced Study, Fall 2013 and Spring 2014

Kristie Macrakis, Class of 1969 Teaching Scholar

Jennifer Singh, CETL 'Thank a Teacher' Award Fall 2013

John M. Smith, Class of 1940 Course Survey Teaching Effectiveness Award, CETL 'Thank A Teacher' Award (April 2013), and Ivan Allen College Teacher of the Year (2013 - 2014)

PRESENT AT THE CREATION

The birth of HTS and the creation of its undergraduate and graduate programs are an outcome of two periods of philosophical and structural change at Georgia Tech beginning in the 1970s and culminating in a major reorganization that took place between 1988 and 1990. The first phase saw Tech evolve from a respected regional undergraduate engineering school into a major research university with expanded graduate programs. The creation of the Ivan Allen College, an independent College of Sciences, the College of Computing, and a major expansion of undergraduate and graduate degree programs most clearly mark the second phase.

Two dynamic presidents presided over each of these innovative periods. Electrical engineer and former dean of engineering at Stanford, Joseph Mayo Pettit came to Tech in 1972 and revolutionized research and graduate education. Social scientist and former vice-president for academic affairs at Carnegie Mellon University, John Patrick Crecine, initiated the second round of reforms after his arrival as president in 1987. As the first non-engineer to head Tech since 1944, the controversial Crecine sought to broaden Georgia Tech still further into his vision of a “technological university” in sync with the needs of the 21st century.

The faculties of the present schools of HTS, International Affairs (INTA), and Public Policy (PUBP) had been together for many years in the School of Social Sciences, itself an artifact of the first phase changes mentioned above. The historians and sociologists in Social Sciences came together to form HTS and develop its new degree programs. This group made a decision to proceed on a broad front, developing and presenting to the Board of Regents both an undergraduate major (HTS) and a graduate masters and PhD program in the history of technology (later expended to the history and sociology of science and technology). INTA concentrated on its new undergraduate program and deferred launching a graduate program. PUBP did the opposite, initially focusing on its graduate program as an extension of the existing masters program in Technology and Science Policy (TASP) begun within the School of Social Sciences in 1980, and delaying the introduction of an undergraduate major.

Melvin Kranzberg



A faculty committee coordinated the undergraduate program proposal while Professor Bruce Sinclair led the design and implementation of the initial graduate program. Bruce was the first holder of the Kranzberg Professorship in the History of Technology, created upon the retirement of Melvin Kranzberg, who had been Callaway Professor of the History of Technology since 1971 and a major campus presence for non-engineering activities in general during the Pettit era of change. Editor of the main international journal in the history of technology, *Technology and Culture*, and principal founder of the Society for the History of Technology (SHOT), Kranzberg was also very well-

The vision...to broaden Tech's mission laid the ground for the national and international prestige the Institute enjoys today.

known among scientists and engineers as a national leader in Sigma Xi, the scientific research society. Pat Crecine had established the Kranzberg Professorship, realizing that synergies created by Mel Kranzberg had benefited the social science and humanities at Tech, and fit in with his original plan for the “Ivan Allen College of Management, Policy, and International Affairs” (now the Ivan Allen College of Liberal Arts). Subsequent Kranzberg Professors within HTS included Philip Scranton and John Krige, the current holder of the post.

There were “birthing pains” to be sure in the early 1990s as some alumni and faculty resisted Crecine-led changes. Indeed, the president’s aggressive managerial style can be blamed for much of this opposition. But I would argue that the vision of both Joe Pettit and Pat Crecine to broaden Tech’s mission lay the groundwork for the national and international prestige the Institute enjoys today.

August W. Giebelhaus
Emeritus Professor of History

Gus Giebelhaus

