



# **SWAAG 2019 Annual Meeting**



**Hosted by Texas Christian University  
Fort Worth, Texas**

# OFFICERS AND LOCAL HOSTS

## SWAAG (2019)

Chair: Matt Fry, University of North Texas  
Secretary: Maria Lane, University of New Mexico  
Treasurer: Eric Prout, Texas A&M University  
Webmaster: Michaela Buenemann, New Mexico State University  
Past Chair: Jason Julian, Texas State University

SWAAG Regional Councilor (2018-2021)  
Michaela Buenemann, New Mexico State University

SWAAG: [www.sw-aag.org](http://www.sw-aag.org)  
Facebook: <https://www.facebook.com/southwestaag>

## Local Host Committee Texas Christian University

Ben Tillman, Chair  
Melissa Payton  
Ashley Coles  
Sean Crotty  
Jeff Roet  
Sarah Schwartz  
Xiaolu Zhou



# WELCOME FROM THE SWAAG PRESIDENT

To members and others arriving from the Southwest -- Arkansas, New Mexico, Oklahoma, Louisiana, Texas -- and elsewhere, welcome to Fort Worth and the annual meeting of the Southwest Division of the American Association of Geographers!

On behalf of SWAAG members, I would like to extend a gracious thank you to the hosts of this year's meeting, the Department of Geography at Texas Christian University, especially Melissa Payton, Ben Tillman, and Ashley Coles. I would also like to thank all our sponsors for their generous donations.

Since 1949, SWAAG and its members have worked (1) to further professional investigations in geography, (2) to encourage the application of geographic findings in education, government, and business, and (3) to improve the public image of geography. Our annual meetings are a key component of this mission and provide a great venue to engage with other geographers and to stimulate our ever-evolving geographic curiosities.

I encourage you to support our students by attending the student paper, poster, and Geobowl competitions; to buy a conference t-shirt; to come to the SWAAG Business Meeting; and to venture out and enjoy Cowtown, Panther City, and Where the West Begins!

Matthew Fry  
2019 SWAAG Chair  
Associate Professor, Department of Geography and the Environment,  
University of North Texas

# WELCOME FROM THE TCU DEPARTMENT CHAIR

Welcome to the 2019 SWAAG Annual Meeting, hosted by the Department of Geography, Texas Christian University. The TCU Geography Department was established on June 1, 2016. TCU Geography was previously situated within the Department of History and Geography but growth in student enrollments necessitated the formation of an independent department. Approximately 12% of TCU's 8,600 undergraduate population enrolls in one of 28 sections of world regional geography courses offered annually, and upper division geography courses are also popular. Many majors participate in field trips to Latin America and Western Europe, and present their undergraduate research in poster sessions at professional conferences such as the Annual Meeting of the AAG. We currently have 30 majors and offer both B.A. and B.S. degrees. TCU geography achieves a 100% success rate of placing our graduates into meaningful careers or graduate school.

The teaching and research interests of our faculty include cultural and historical geography, urban geography, economic geography, applied geography, human-environment interaction, population, tourism, migration, GIS, and Big Data analytics. Regional specialties include Western Europe, Latin America, Africa, and North America. Our seven fulltime faculty include Dr. Ashley Coles, Dr. Sean Crotty, Dr. Jeff Roet, Dr. Sarah Schwartz, Dr. Ben Tillman (Chair), Dr. Kyle Walker and Dr. Xiaolu Zhou. TCU's Dean of the AddRan College of Liberal Arts, Dr. Andy Schoolmaster, is also a geographer and an active contributor to the department. The department faculty published 15 refereed journal articles in 2018. Please visit <http://geography.tcu.edu/> for more information.

Dr. Ben Tillman, Chair  
Department of Geography  
Texas Christian University

# KEYNOTE SPEAKERS



Welcome Luncheon, Thursday, October 10, 2019  
“So You Want to Chair a Department of Geography”  
**Andy Schoolmaster**  
**Dean of TCU AddRan College of Liberal Arts**

If your academic position is in a department, interdisciplinary center, or some other administrative structure you probably have a colleague serving in some capacity as a “leader.” Most likely, this colleague will be called a chair and be responsible for an array of tasks ranging from recruiting, hiring, and retaining faculty and staff, to tenure and promotion decisions, budgets, strategic planning, and everything in between. In most cases there is a selection process, which could include internal appointments or an external search. Regardless of the process, it will be necessary to evaluate the applicants and their potential for the position. In my 32 years of higher education administration I believe there are 5 dimensions which should be used in the vetting process. Applicants should be assessed for their **A**cademic credentials, **A**dministrative acumen, **A**dvocacy ability, **A**ccountability, and **A**dvancement potential. During the presentation, I will touch upon these 5 A’s and talk about how we can prepare colleagues to be successful leaders. Andy Schoolmaster started his academic career at the University of North Texas where he served as department chair for 12 years and held other leadership positions, including Senior Associate Dean for Administrative Affairs. He then moved to Eastern Kentucky University serving as Dean of the College of Arts and Science for three years. From 2007 to the present, he is serving as the Dean of the AddRan College of Liberal Arts at Texas Christian University.

Dinner Presentation, Friday, October 11, 2019  
“Expanding the Community of Geography”  
**David Kaplan**  
**AAG President**



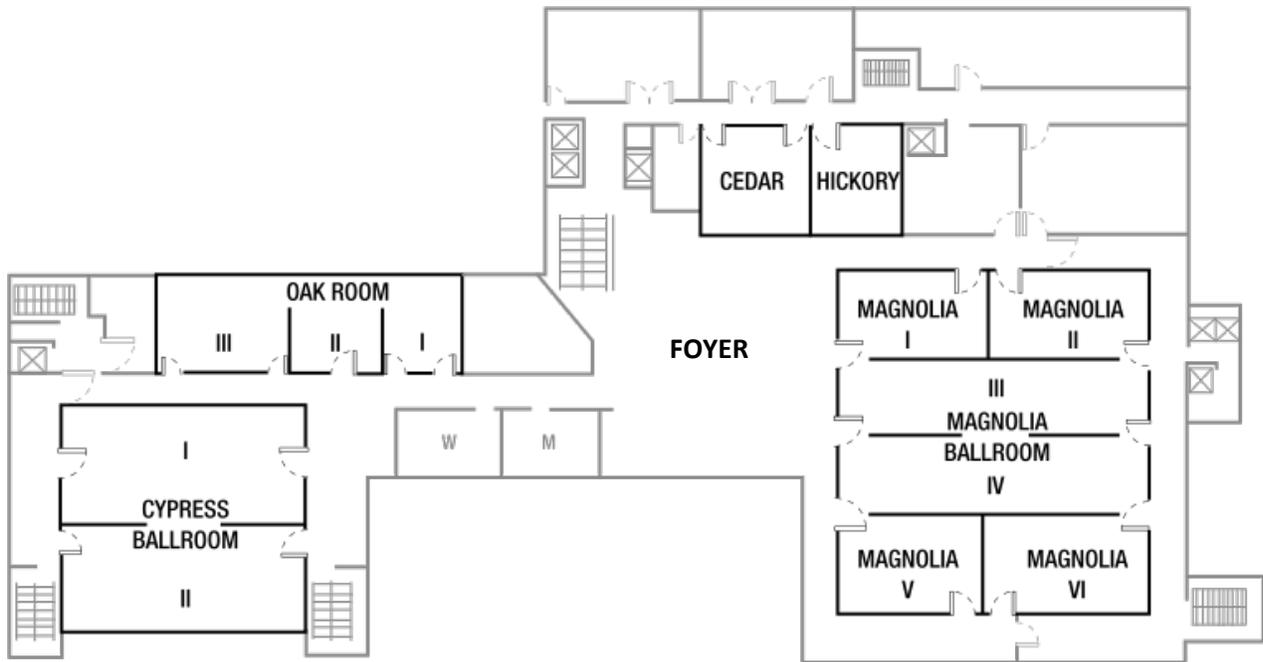
Dr. David Kaplan is Professor of Geography at Kent State University. His research interests include nationalism, borderlands, ethnic and racial segregation, urban and regional development, housing finance, and sustainable transportation. Dr. Kaplan edits the *Geographical Review* and *National Identities*. He is the President for the American Association of Geographers (2019-20) and Councilor for the American Geographical Society.

# CONFERENCE SYNOPSIS

<b>PRE-CONFERENCE</b>	
<b>WEDNESDAY, OCTOBER 9, 2019</b>	
7:00 PM - 9:00 PM	Cash bar meet and greet in the lobby area of <b>The Sheraton Downtown Fort Worth Hotel</b>
<b>CONFERENCE DAY 1</b>	
<b>THURSDAY, OCTOBER 10, 2019</b>	
8:00 AM - 5:00 PM	Registration/Check in
8:30 AM - 10:10 AM	Session 1 (A, B, C)
10:10 AM - 10:30 AM	Break
10:30 AM - 11:50 AM	Session 2 (A, B, C)
12:00 PM - 1:30 PM	<b>Luncheon/Opening Welcome in Magnolia Ballroom</b> <b>Speaker: Andy Schoolmaster,</b> <b>Dean of TCU AddRan College of Liberal Arts</b>
1:40 PM - 3:00 PM	Session 3 (A, B, C)
3:00 PM - 3:10 PM	Break
3:10 PM - 4:50 PM	Session 4 (A, B, C)
5:00 PM - 6:00 PM	Dinner on own Downtown Fort Worth/Sundance Square (see <a href="http://VisitFortWorth.com">VisitFortWorth.com</a> for suggestions)
5:00 PM - 6:00 PM	<b>Student Social</b> organized by Walter Furness and Cayton Moore
6:00 PM - 9:00 PM	<b>Geography Bowl</b>
<b>CONFERENCE DAY 1</b>	
<b>FRIDAY, OCTOBER 11, 2019</b>	
8:00 AM - 5:00 PM	Registration/Check in
8:30 AM - 10:10 AM	Session 5 (A, B, C)
10:10 AM - 10:30 AM	Break
10:30 AM - 11:50 AM	Session 6 (A, B, C)
12:00 PM - 1:30 PM	Lunch on your own
1:40 PM - 3:00 PM	Session 7 (A, B, C)
3:00 PM - 3:10 PM	Break
3:10 PM - 4:50 PM	Session 8 (A, B, C)
5:00 PM - 6:00 PM	<b>SWAAG Meeting</b>
6:00 PM - 7:30 PM	<b>Dinner and Awards in Magnolia Ballroom</b> <b>Speaker: David Kaplan, AAG President</b>
<b>FIELD TRIPS</b>	
<b>SATURDAY, OCTOBER 12, 2019</b>	
8:30 AM - 12:00 PM	Field Trip: Tour of Latino Fort Worth * <b>Bus departs 8:30</b>
9:00 AM - 12:00 PM	Field Trip: Walking Tour of Downtown Fort Worth

# CONFERENCE HOTEL & VENUE

## MEETING ROOMS



The Sheraton Fort Worth Downtown Hotel  
Commerce St, Ft. Worth, TX 76102  
Phone: 817-335-7000

# TRANSPORTATION AROUND TOWN

**Molly the Trolley** stops at the Sheraton's front door 7 days a week from 10AM-10PM every 10-12 minutes. It will take you to all of the hot spots around downtown Fort Worth, including Sundance Square, where you can find food, shopping, and entertainment. You can find updated real-time schedules and a route map online.



## HOTEL PARKING

\$17.60 nightly; \$12.99 daily fee (includes 20% discount with BADGE)



There are various lots that have paid parking, there is metered parking on the street, and some garage parking as well.

# FIELD TRIPS

We are offering two field trip choices around the Dallas/Fort Worth area on Saturday, October 12. Sign up on the SWAAG website upon registration, or at the SWAAG Registration Desk.

## Tour of Latino Fort Worth

People of Latin American descent comprise at least one-third of Fort Worth's population. Join us for a tour of Latino Fort Worth with visits to historic neighborhoods. Participants will gain an understanding of the political and economic issues facing Latinos, as well as a sense of the community's history, stretching back to the 1880s.



The tour will include a stop at La Gran Plaza, a Mexico-themed mall which opened in 2004 and which serves as the social center for recent immigrants. Decorated to resemble a colonial Mexican city, with towers, kiosks, and wrought-iron



benches, La Gran Plaza features over two-hundred shops, a three-story market, murals, and cultural events, as well as a giant food court and a mariachi academy.

**Host:** Peter Szok, TCU History Department

**Duration:** Half Day (8:30 AM-12:00 PM)

**Limit:** 22

**Cost:** \$20

## Walking Tour of Downtown Fort Worth

Andy Taft, President of Downtown Fort Worth, Inc., and Arrie Mitchell, Director of Research, will meet us at the Sheraton Hotel at 9am on Saturday, October 12 to take us on an informative walking tour. We will start off learning about the Lancaster story as we walk toward Lancaster Avenue. We will then visit the Texas A&M School of Law, JFK Plaza in General Worth Square, and the Fort Worth Convention Center. We will continue north to Sundance Plaza as we hear about the Sundance Square redevelopment, and then to Heritage Plaza and Panther Island. Lastly, we will visit Downtown Fort Worth Inc. via Throckmorton (Center City Overview), then to the Trinity River Vision Authority, and through the Water Gardens, back to the hotel.



**Host:** Andy Taft, President of Downtown Fort Worth, Inc. and Arrie Mitchell, Director of Research

**Duration:** Half Day (9:00 AM-12:00 PM),

**Limit:** 25

**Cost:** FREE

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Bennett, Krista.....	7C	Julian, Jason.....	3B
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<b>Presenter name</b>	<b>Session</b>
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Zhou, Xiaolu.....	1C

# PRESENTATION SESSIONS

Thursday, October 10, 2019

Session 1: 8:30 AM – 10:10 AM

## 1A: Social Justice

## Cypress 1

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|------|--|--|
| 8:30 | Community Geography as a Model for Engaged Research and Teaching                         | Ryan D. James<br><i>University of Texas at San Antonio</i>   |
| 8:50 | Black Geographies and Model Pedagogies in a Multigenerational Classroom                  | Jeffery E. Roth<br><i>Stephen F. Austin State University</i> |
| 9:10 | Schools, Property & Race: the Political Economy of the Education Funding Crisis in Texas | Clinton McBride<br><i>University of North Texas</i>          |
| 9:30 | The Maussian Paradox of the Gift in Military Places/Spaces                               | Connie Buscha<br><i>Texas State University</i>               |

**Session chair: Connie Buscha**

## 1B: Hazards, Risks, and Disasters I

## Cypress 2

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|------|--|---|
| 8:30 | Post-Disaster Communalism: Land use, ownership, and the shifting 'publicness' of urban space in recovery | Ronald Schumann<br><i>University of North Texas</i> |
| 8:50 | Commemorating through Cookbooks: A Recipe for Post-disaster Recovery                                     | Deborah Hann<br><i>Emporia State University</i>     |
| 9:10 | I Felt So Lost: Returning Home after Hurricane Sandy   | Laura Siebeneck<br><i>University of North Texas</i> |
| 9:30 | Place Attachment and Tornado Resilience Among International Students                                     | Graham Huether<br><i>University of North Texas</i>  |
| 9:50 | Identification and evaluation of flood-avoidance routes in Tucson, AZ                                    | Ashley Coles<br><i>Texas Christian University</i>   |

**Session chair: Ronald Schumann**

## 1C: Spatial Analytics

## Magnolia 1

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- 8:30 Modeling Housing Rent in the Atlanta Metropolitan Area Based on Recurrent Neural Network and Self-Attention  
Xiaolu Zhou  
*Texas Christian University*
- 8:50 *(Chow presentation moved to session 2B)*
- 9:10 Developing an hourly risk model for street networks in Dallas  
Yanan Wu  
*University of Texas at Dallas*
- 9:30 The application of machine learning approaches in cloud detection  
Xiaohe Yu  
*University of Texas at Dallas*
- 9:50 A Time-Geographic Approach to Identifying Daily Habitat Use Patterns for Amazonian Black Skimmers  
Rebecca Loraam  
*University of Oklahoma*

**Session chair: Rebecca Loraam**

## Session 2: 10:30 AM - 11:50 AM

### 2A: Nature Conservation and Ecotourism

### Cypress 1

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|-------|--|--|
| 10:30 | Exploratory fieldwork in Natural Protected Areas of arid northern Mexico                 | Xochizeltzin Castaneda<br><i>University of Texas at Austin</i> |
| 10:50 | An Analysis of Ecotourism in Uaxactún, Guatemala   | Cody Silveira<br><i>Texas State University</i>                 |
| 11:10 | Slow Violence in the Tourism Industry  | Jennifer A. Devine<br><i>Texas State University</i>            |
| 11:30 | Insights Into Guyanese Perceptions of Wild Cats and Implications for Their Survivability | Anthony R. Cummings<br><i>University of Texas at Dallas</i>    |

**Session chair: Anthony Cummings**

### 2B: Immigration

### Cypress 2

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|-------|---|---|
| 10:30 | Alienation and the 'Exclusion Identity': Right-wing populism and its strident anti-immigrationism in the US | Miguel de Oliver<br><i>University of Texas at San Antonio</i> |
| 10:50 | Women and Detention at the U.S. Southern Border, 1903-1917  | Celeste Menchaca<br><i>Texas Christian University</i>         |
| 11:10 | An Integrative Approach to Count Protestors in Hong Kong  | Edwin Chow<br><i>Texas State University</i>                   |
| 11:30 | Yemenis in Korea and Congolese in Mexico: Understanding Migration to Non-Traditional Destinations           | Sarah Andrea Blue<br><i>Texas State University</i>            |

**Session chair: Sarah Blue**

**2C: Best Practices Roundtable: StoryMaps**

**Magnolia 1**

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10:30 Panelist

Emma Pape  
*Texas Tech University*

10:40 Panelist

Cayton Moore  
*University of Oklahoma*

10:50 Panelist

Prudence Venner  
*Texas Tech University*

11:00 Panelist

Joshua J. Wells  
*Indiana University, South Bend*

11:10 Discussion

**Session chair: Cameron Griffith**

**\*Lunch will be served at NOON in the Magnolia Ballroom**  
**Speaker, Dr. Andy Schoolmaster, Dean of AddRan College of Liberal Arts**

## Session 3: 1:40 PM - 3:00 PM

### 3A: Urban Issues

### Cypress 1

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|------|--|--|
| 1:40 | Food Deserts in Oklahoma: A Convergence of Research and Narrative  | Christine Giles<br><i>Oklahoma State University</i>  |
| 2:00 | Simulacra in the Post-Modern American City   | Jeffrey B. Roet<br><i>Texas Christian University</i> |
| 2:20 | Invisible no more: An exploratory geospatial typology of illicit massage businesses in the Dallas-Fort Worth Metropolitan Area | Sean M. Crotty<br><i>Texas Christian University</i>  |
| 2:40 | Inclusionary Zoning and Housing Cooperatives in Austin, Texas  | Chad Williams<br><i>Texas State University</i>       |

**Session chair: Jeffrey B. Roet**

### 3B: Nature and Society

### Cypress 2

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|------|--|---|
| 1:40 | Protecting the urban forest: Variations in standards and sustainability dimensions of municipal tree preservation ordinances | Brendan L. Lavy<br><i>University of Texas Rio Grande Valley</i> |
| 2:00 | Demand for Parks and Protected Places: A Social-Ecological Systems Perspective   | Jason P. Julian<br><i>Texas State University</i>                |
| 2:20 | Smallholder agricultural experimentation using pre-Hispanic terracing in the southern Peruvian Andes                         | Blaise Murphy<br><i>University of Texas at Austin</i>           |
| 2:40 | What influences self-reported resilience? An examination of livelihood, culture, and environment along a delta floodplain    | Amelia C. Eisenhart<br><i>University of Texas at Austin</i>     |

**Session chair: Amelia C. Eisenhart**

### 3C: Story Maps as an Educational Tool

### Magnolia 1

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|------|---|--|
| 1:40 | Presenters: Linda Lea Jones, Ruba Al-Zubi, Sam Benner, Guofeng Cao, Claris Davis, Grant Ellis, Kevin James, Tarek Kandakji, Chan Mi Lee, Shu Lee, Ryan Miller, Emma Pape, Nolan Prather, Ryan Sen, Cameron Shoemaker, Lily Sutton, Prudence Venner, Hannah Webb |  |
|------|---|--|

**Session chair: Linda Lea Jones**

## Session 4: 3:10 PM - 4:50 PM

### 4A: Remote Sensing and Raster Analysis

### Cypress 1

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|------|---|--|
| 3:10 | Teaching "Spectroscopy and Remote Sensing": Challenges and Opportunities  | Michaela Buenemann<br><i>New Mexico State University</i> |
| 3:30 | Estimating nearshore bathymetry from Landsat 8 images - compared with Landsat 7   | Haibin Su<br><i>Texas A&amp;M University-Kingsville</i>  |
| 3:50 | A MATLAB-based digital elevation model (DEM) data processing toolbox (MDEM)   | Feifei Pan<br><i>University of North Texas</i>           |
| 4:10 | Diurnal processes of photosynthesis and their effects on the calibration of evapotranspiration models based on vegetation indices in the American Southwest | Francisco Ochoa<br><i>University of Texas at Austin</i>  |
| 4:30 | Time series analysis of seasonal savanna fire occurrence across conservation, pastoral, and agricultural land use types                                     | Alex Marden<br><i>University of Texas at Austin</i>      |

**Session chair: Alex Marden**

### 4B: Energy Geographies

### Cypress 2

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|------|---|--|
| 3:10 | Using "Potential" to Conjure Geomimagaries of a Texas-Mexico Frontier Basin   | Matthew Fry<br><i>University of North Texas</i>  |
| 3:30 | Challenges and opportunities for shale oil and gas development in Northern Mexico's Burgos Basin.                               | Andrew Hilburn<br><i>Texas A&amp;M International University</i>                            |
| 3:50 | PEMEX, transitions in the energy sector, and the local milieu in Mexico   | Adrian Duhalt<br><i>Rice University</i>  |
| 4:10 | "Heads I win, tails you lose": Negotiating Who Benefits from Extraction on Split Estates in West Texas Relinquishment Act Lands | Trey Murphy<br><i>University of North Carolina</i>   |
| 4:30 | The energy reform in Mexico and the evolution of Social and Environmental Impact Studies  | Armando Garcia Chang<br><i>Universidad Autonoma Metropolitana, Iztapalapa Unit, Mexico</i> |

**Session chair: Trey Murphy**

#### 4C: Student Poster Competition

#### Foyer

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Public Perceptions of Water Reuse in Norman, Oklahoma	Madeline Wade <i>University of Oklahoma</i>
Climatology and Spatiotemporal Analysis of North Atlantic Rapidly Intensifying Hurricanes	Kathleen Benedetto <i>Louisiana State University</i>
Institutionalized Revictimization: The Failures of Post-Secondary Title IX	Kaitlin Stewart <i>Stephen F. Austin State University</i>
Changing Geographies of Flood Mitigation Policies: A Case Study of Central, Louisiana	Ria Mukerji <i>Louisiana State University</i>
Former Lake Texcoco, Mexico City: Urban Park or Ecological Reserve?	Addison Van Zandbergen <i>Oklahoma State University</i>
Greenwashing in the Health and Beauty Industry	Gabrielle Bittner <i>University of Oklahoma</i>
Commemoration on Foot: Identities and Motivations of Joplin Memorial Runners	Stephanie Ray <i>University of North Texas</i>
Spatial and temporal patterns of fallow/idle cropland in the United States Rio Grande Basin	Madison Wilson <i>University of Oklahoma</i>
Understanding American Kestrel Distribution in North Texas	Sentell Dickson <i>University of North Texas</i>
Classifying livestock grazing behavior and GIS-modeling potential for exposure to Abandoned Uranium Mine Waste in the Cove Wash Watershed, Arizona, USA	Zhuoming Liu <i>University of New Mexico</i>
Analysis of Tree Loss and Deforestation in the Cross Timber Ecoregion	Jeleeza Clark <i>University of North Texas</i>
Racial Demographics and Abolitionism in Nineteenth-Century Puerto Rico	Alexandra Sanchez <i>University of Texas at Arlington</i>

**\*Dinner on your own**  
**World Geography Bowl 6:00 PM – 9:00 PM**

# PRESENTATION SESSIONS

Friday, October 11, 2019  
Session 5: 8:30 AM – 10:10 AM

## 5A: Water

## Cypress 1

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|------|--|--|
| 8:30 | Coastal marsh sedimentation in Southeastern Texas from Hurricane Harvey floods   | Harry Williams<br><i>University of North Texas</i> |
| 8:50 | Integrative modeling for addressing water scarcity issues in the Rio Grande/Río Bravo Basin                                    | Sophie Plassin<br><i>University of Oklahoma</i>    |
| 9:10 | Hydropolitics in Central Asia: Has the Rubicon Been Crossed?   | Reuel R. Hanks<br><i>Oklahoma State University</i> |
| 9:30 | The regional water-conserving and yield-increasing characteristics and suitability of soil tillage practices in Northern China | Jialin Wang<br><i>University of North Texas</i>    |
| 9:50 | Regimes of dispossession: Pakistan's water contamination crisis  | Sher Khan<br><i>University of North Texas</i>      |

**Session chair: Sher Khan**

## 5B: Graduate Student Paper Competition I

## Cypress 2

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|------|--|--|
| 8:30 | Impacts of Technology-mediated Project-based Module on Secondary School Students' Deep Learning  | Sojung Huh<br><i>Texas State University</i>            |
| 8:50 | Quantifying the Relocation of Urban Greyhound Bus Terminals 1935 – 2019  | Jesse Andrews<br><i>Oklahoma State University</i>      |
| 9:10 | A multilevel eigenvector spatial filtering model of house prices: an application to house sales in Fairfax County, Virginia, 2016-2017                         | Lan Hu<br><i>University of Texas at Dallas</i>         |
| 9:30 | A sparse Bayesian approach to eigenvector spatial filtering  | Connor Donegan<br><i>University of Texas at Dallas</i> |
| 9:50 | Hurricane Storm Surge Sedimentation on East Texas Gulf Coast Marshes: Spatial Variations in Sediment Distribution in the Right-Front Quadrant of Hurricane Ike | Joshua Hodge<br><i>Texas State University</i>          |

**Session chair: Joshua Hodge**

## 5C: Physical Geography Poster Session

## Foyer

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Assessing Greenland Blocking Index Values for Regional Arctic Sea Ice Influence	Christopher Hinojosa <i>Texas State University</i>
Investigating associations between physical and social vulnerability in the Arkansas River basin	Dillon Haller <i>University of Oklahoma</i>
Reconstruction of Hurricanes Florence and Harvey with NOAA's Reanalysis Model	Kent McGregor <i>University of North Texas</i>
Rainfall erosivity patterns in three Brazilian tropical Atlantic Forest watersheds	Alexandra Ponette-González <i>University of North Texas</i>
Spatio-temporal Patterns of Groundwater Arsenic Contamination in Texas from 1980 to 2019	Dayani Davilla <i>University of North Texas</i>
Impact of land-use/land-cover on PM2.5 in Dallas-Fort Worth	Yogita Karale <i>University of Texas at Dallas</i>
The relation between wildfires, prescribed fires, and drought in Oklahoma	Madahi Lozano <i>Oklahoma State University</i>
Spatial variability of glacier surface temperature based on field and aerial surveys at the Continental Glacier, Wind River Range, Wyoming	Yanan Li <i>Texas State University</i>
Tornadoes Counts by Storm Mode in the Southeast United States Between 1996-2017	Marisa Karpinski <i>Louisiana State University</i>
Tracing Chemical and Elemental Fingerprints of Extreme Atmospheric Events in Rainwater	Thomas Williamson <i>University of North Texas</i>
Particulate matter deposition to bird feathers along North American migration flyways	Jennifer Ellis <i>University of North Texas</i>

## Session 6: 10:30 AM - 11:50 AM

### 6A: Learning and Teaching Geography with Multimedia Lessons

### Cypress 1

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- |       |   |   |
|-------|---|---|
| 10:30 | Reproductive Rights and Development in Peru: Indigenous perspectives from the Quipu Project | Alejandra Acuna Balbuena<br><i>University of Oklahoma</i> |
| 10:50 | Using music and film to enhance pedagogy in the World Regions Classroom                     | Joni Palmer<br><i>University of New Mexico</i>            |
| 11:10 | How racial capitalism shapes the city: teaching with The Wire                               | Anthony Levenda<br><i>University of Oklahoma</i>          |
| 11:30 | Putting Kitchen Stories to work: How to Teach about the Geopolitics of Knowledge Production | Laurel Smith<br><i>University of Oklahoma</i>             |

**Session chair: Laurel Smith**

### 6B: Graduate Student Paper Competition II

### Cypress 2

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- |       |   |   |
|-------|---|---|
| 10:30 | CitySexuals-SexualCities  | Farrell Stucky<br><i>University of North Texas</i>    |
| 10:50 | Vegetation and land use effects on the spatial distribution and accumulation of soil black carbon in an urban ecosystem | Katherina A. Kang<br><i>University of North Texas</i> |
| 11:10 | Backyard Wildlife Refuges in Albuquerque, NM: the land ethic and urban wildlife gardening for our biotic community      | Laurel Ladwig<br><i>University of New Mexico</i>      |
| 11:30 | Between the Lab and the Brewery: Situating the Work of Yeast via Metaphor   | Walter Furness<br><i>Texas State University</i>       |

**Session chair: Walter Furness**

## 6C: Human Geography Poster Session

## Foyer

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Enacting interdisciplinarity: Lessons from crafting a multi-dimensional, experiential field study	Colleen C. Myles <i>Texas State University</i>
An Analysis on Food Security in Waller County	Dora Marin <i>Prairie View A&amp;M University</i>
Texas Centennial as an Empire Exposition and a Landscape of White Supremacy	Edward Sebesta <i>Independent researcher</i>
Who volunteers and why? Understanding environmental stewardship through community geography partnerships with two environmental nonprofits in San Marcos, Texas	Christina Lopez <i>Texas State University</i>
Self Governance and Corporate Social Responsibility: a case study of Denton County's gas extraction industry	Caleb Valko <i>University of North Texas</i>
The Influence of the NFL in Mexico	Samantha Valencia <i>Stephen F. Austin State University</i>
Hot Boiled P-Nuts: North Central Florida locational trends of an African-derived southern folk food	Benjamin Tillman <i>Texas Christian University</i>
UT Geography through the doctoral lens: an analysis of PhD research trends in the first geography doctoral program in Texas	Sara Eshleman <i>University of Texas at Austin</i>
Merging Servers: The Fusion of Gay and Gamer in to Gaymer	Kyle Bikowski <i>Louisiana State University</i>
Red-Lighted Roustabouts: Labor Geography of the American Circus	William Hansard <i>University of Texas at Arlington</i>
Patterns of Disaster Commemoration in Long-Term Recovery	Ronald Schumann <i>University of North Texas</i>

**\*Lunch 12:00 PM - 1:30 PM**

(on your own)

## Session 7: 1:40 PM - 3:00 PM

### 7A: Research and Teaching Methods

### Cypress 1

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- |      |  |  |
|------|--|--|
| 1:40 | Changes in urban land use throughout the Edwards Aquifer: A comparative analysis of Austin, San Antonio, and the I-35 Corridor | Justin Guerra<br><i>University of Texas at San Antonio</i>     |
| 2:00 | My Version of Online World Regional Geography  | Bret Wallach<br><i>University of Oklahoma</i>                  |
| 2:20 | Long Automobile Commutes and Health: a Geographic Analysis   | Esteban Spongberg<br><i>University of Texas at San Antonio</i> |
| 2:40 | Pedestrian Practices for Applied Geographical Research/Field-work  | Joni Palmer<br><i>University of New Mexico</i>                 |

**Session chair: Joni Palmer**

### 7B: Cartography and Visual Analysis

### Cypress 2

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- |      |  |   |
|------|--|---|
| 1:40 | Inventing the Grand Banks: A Deep Chart  | Charles Travis<br><i>University of Texas at Arlington</i> |
| 2:00 | An Analysis of the Visual Language of National Geographic, 1990-2015   | Alyson Greiner<br><i>Oklahoma State University</i>        |
| 2:20 | Running for the Hills, The "Tony" Hills of North Macon, That Is: Comparing the Residence Patterns of Wealthy Planters and Merchants in Antebellum Macon, Georgia | Scarlet Jernigan<br><i>Texas Christian University</i>     |
| 2:40 | Maps Published in Geography Journals, 1987-2017: A Longitudinal Analysis   | Jonathan Comer<br><i>Oklahoma State University</i>        |

**Session chair: Jonathan Comer**

## 7C: Geospatial Technology Poster Session

## Foyer

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Analyzing Pedestrian-Involved Crash Hotspots in Hillsborough County, Florida	Katherine Ho <i>University of Oklahoma</i>
Tobler's Hiking Formula and Raster Resolution	Dane Atkins <i>Texas State University</i>
GIS Modeling for Assessing Landslide Vulnerability in Kenya	Hafid Nanis <i>University of Arkansas</i>
Urban Expansion and Allometric Growth Analysis of Addis Ababa, Ethiopia	Tanya Woody <i>University of Oklahoma</i>
Mapping Bone: Integrating 3D Scans and GIS to produce Quantifiable Indicators of Age in the Auricular Surface	Krista Bennett <i>Louisiana State University</i>
SmartCampus: Multi-Level Building Data Model	Brent Dell <i>University of Texas at Dallas</i>
Spatial ecological analyses of citizen science data to identify threats and conservation opportunities for Blackland Prairies in Texas	Daniel LeVine <i>University of Texas at Austin</i>
Augmented Reality: Capturing knowledge in Geographic Education	Eric Wilson <i>Texas State University</i>
Quantifying Aesthetics: Using Curb Appeal to Evaluate Neighborhoods	Mark Mahar <i>Oklahoma State University</i>

## Session 8: 3:10 PM - 4:50 PM

### 8A: History, Landscape, and Meaning

### Cypress 1

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|------|--|--|
| 3:10 | Both push and pull: Why geology made England the most likely place in Europe to turn to coke | John Lovett<br><i>Texas Christian University</i> |
| 3:30 | The Legacy and Shadowed Ground of Jarrell, Texas   | Don Jonsson<br><i>Austin Community College</i>   |
| 3:50 | Subjectivity, Persecution, and Urban Space: The case of Parisian Jews, 1940-1944             | Mael Le Noc<br><i>Texas State University</i>     |
| 4:10 | Public protests in Washington, DC: A case for over landscaping                               | Paul Watts<br><i>Tyler Junior College</i>        |
| 4:30 | The Settler Colonial Narrative in Oklahoma: A Bank's Concept of Progress                     | Randy Pepler<br><i>University of Oklahoma</i>    |

**Session chair: Randy Pepler**

### 8B: Hazards, Risks, and Disasters II

### Cypress 2

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|------|---|---|
| 3:10 | "Not a Big Climate Change Guy": The Semiotics of Climate Change Discourse in West Texas and the Panhandle   | Paul Adams<br><i>University of Texas at Austin</i>              |
| 3:30 | Multiscalar spatial analysis of urban flood risk and environmental justice in the Charlanta Megaregion, USA | Neil Debbage<br><i>University of Texas at San Antonio</i>       |
| 3:50 | Threatening Weather Events and Oklahoma Mesonet Web Hits  | Steve Stadler<br><i>Oklahoma State University</i>               |
| 4:10 | Development of Global Social Vulnerability Model for Earthquakes  | Khan Mortuza Bin Asad<br><i>Texas State University</i>          |
| 4:30 | Culture-Shift Meets Climate Change in the Early Anthropocene  | Brent C. Hedquist<br><i>Texas A&amp;M University-Kingsville</i> |

**Session chair: Ashley Coles**

**8C: Graduate Program Information Session****Magnolia 1**

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*University*

Louisiana State University

New Mexico State University

Oklahoma State University

Texas State University

Texas Tech University

University of Central Arkansas

University of New Mexico

University of Oklahoma

University of Texas at Austin

University of North Texas

University of North Texas Emergency  
Management & Disaster Science*Representatives*

Kory Konsoer, Brian Marks

Michaela Buenemann

Jon Comer, Alyson Greiner

Jason Julian, Ron Hagelman

Linda Lea Jones

Stephen O'Connell

Chris Lippett, Maria Lane

Laurel Smith

Bill Doolittle

Matthew Fry

Ronald Schumann

**\*5:00 PM SWAAG Business Meeting in Magnolia I****\*6:00 PM Dinner and awards in the Magnolia Ballroom**

Speaker, Dr. David Kaplan, AAG President

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