

Big Ten Academic Alliance (BTAA)

GIS Conference

November 13, 2020

Concurrent Presentations 10:00 - 11:30 am EST / 9:00 - 10:30 am CST

10:00 - 11:30 EST
9:00 - 10:30 CST

Humanities and Social Sciences

Mapping Prejudice: Cartographic Activism and Primary Sources

Ryan Mattke, Map & Geospatial Information Librarian and Head of the John R. Borchert Map Library, University of Minnesota

Homegoing: The Technology of Living Spatial Data and Black Public Mourning in the Age of COVID-19

Kim Gallon, Associate Professor of History, Purdue University

Shaking Up Small Business: The Impact of Seismic Retrofitting on Small Businesses in 3 San Francisco Supervisor Districts

Lauren Ashley Week, University of Michigan, San Francisco Office of Small Business

Twitter Data for Social Science Research

Guangqing Chi, Professor of Rural Sociology, Demography, and Public Health Sciences, Penn State University

Agriculture and Natural Sciences

Understanding the Disturbance of Human Recreation on Wildlife using Multiple Dynamic Agents within an IBM Framework

Soraida Garcia, Purdue University

Deforestation in the Agricultural Landscape: Impacts on Water Quality in Indiana

Shourish Chakravarty, Yangyang Wang, Mo Zhou, Purdue University

Assessing soybean stands with sUAS

Richard M. Smith, Shaun Casteel, Purdue University

Development of soil and land cover databases for hydrologic modeling in Arequipa, Peru

Fariborz Daneshvar, Jane Frankenberger, Laura Bowling, Keith Cherkauer, Johann Alexander Vera Mercado, Purdue University

Martin Juan C. Villalta Soto, Universidad Nacional de San Agustin

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GIS Infrastructure

A quick tour of our Nation's Geodetic Infrastructure

Jeff Jalbrzikowski, Ohio State University

GIS in Interesting Times: An ArcGIS Enterprise Deployment by Purdue University Physical Facilities

Anna C Burman, Angela Slocum, Mark Hickman, Dean Romack, Purdue University

Campus Waste Map - A Web of Connections

Travis Blomberg, University Of Wisconsin - Madison

Dimensions of Poverty in Midwestern States

Andrey V. Zhalinin, Lionel J. Beaulieu, Indraneel Kumar, Benjamin St. Germain, Center for Regional Development, Purdue University

Yong J. Kim, Korea Environment Institute

11:30 - 11:50 EST
10:30 - 10:50 CST

Break

Lightning Talks

11:50 - 12:30 EST
10:50 - 11:30 CST

What is geodesy and why is it important to you?

Jeff Jalbrzikowski, Ohio State University

Impact of Emerald Ash Borer and Forest Structure on Understory Plant Invasion

Jessica M. Elliott, Elizabeth LaRue, Songlin Fei, Purdue University

Joey Gallion, Indiana Department of Natural Resources

Geospatial analysis of light pollution and house vacancy during the COVID-19 outbreak

Qing Su, Jie Shan, Purdue University

Managing GIS student engagement projects: a sustainable approach

Tara Anthony, Penn State University

Using cell phone data to track social distancing during COVID-19 pandemic: the case of Chicago

Yujia Zhu, Jie Shan, Purdue University

12:30 – 2:00 EST 11:30 - 1:00 CST	Lunch Break
Keynote & Presentations	
2:00 - 3:20 pm EST 1:00 - 2:20 pm CST	<p>Keynote Address: Spatial Data Science: Turning Big Spatial Data to Timely Action Dr. Orhun Aydin, Senior Researcher, Esri</p> <p>The BTAA Geospatial Data Project & Geoportal Karen Majewicz, University of Minnesota 5 forces 5 trends 5 skills – in GIS Dr. Joseph Kerski, Education Manager, Esri</p>
3:20 – 3:30 pm EST 2:20 – 2:30 pm CST	Break
Social Hours	
3:30 – 4:30 pm EST 2:30 – 3:30 pm CST	<p>Social Hour: GIS Education Programs in Big Ten, Coordinator: Nathan Piekielek, Penn State University</p> <p>Featured Programs: Online Geospatial Programs, Penn State Geodesign, Penn State B.S. GIS, University of Minnesota-Duluth Master of Geographic Information Science, University of Minnesota Graduate Certificate in GIS, Purdue Geodata Science for Professionals, Purdue Online Spatial Data Science Certificate, Purdue</p>
3:30 – 4:30 pm EST 2:30 – 3:30 pm CST	<p>Social Hour: GIS Career Discussion Join this social hour to discuss GIS career options with GIS professionals in private and public sectors, including Esri, State Government organizations. More detailed panelists will be updated on the BTAA GIS Conference website.</p>
Mapathon	
3:45 – 5:30 pm EST 2:45 – 4:30 pm CST	<p>Open Humanitarian Street Mapping Mapathon, Coordinator: Amanda Tickner, Michigan State University Celebrate GIS Day by participating in a humanitarian mapping project, no GIS experience needed! Join us in creating map data to aid a humanitarian project. There will be someone on hand to answer questions and help get you started. For more information see the HTOSM main page: https://www.hotosm.org/</p>
Adjourn	

[Register](#) now!