DIGITAL HUMANITIES AND THE ENVIRONMENT

THURSDAY, APRIL 21 - FRIDAY, APRIL 22, 2022

2022 DHC-NC INSTITUTE

The theme of this Institute is "Digital Humanities and the Environment." From the natural environment to pedagogical environments, this year's institute will meditate on DH's impact with its surroundings. What are important considerations for ensuring DH work minimizes harm to the environment? How can we teach practitioners to consider the environmental impact of their DH work? How is industry incorporating the environment into DH products and solutions?

The Spring 2022 DHC-NC Institute will be hosted virtually by UNC Charlotte on Thursday, April 21st and Friday, April 22nd. This two-day institute will begin with a day of virtual presentations and will end with a virtual plenary session and in-person meetups throughout North Carolina. Pre-recorded lightning talks will be shared with registrants the Monday of the Institute with opportunities for asynchronous and live engagement leading up to and during the event.

CODE OF CONDUCT

The Institute provides a welcoming and inclusive community of digital humanities scholars and practitioners, and it is dedicated to the creation of a safe, respectful, and collegial conference experience for all attendees. All attendees must agree to follow this Code of Conduct.

SPONSORSHIP

The plenary session will be co-sponsored by the Digital Humanities Initiative at the Franklin Humanities Institute (DHI@FHI) and J. Murrey Atkins Library at UNC Charlotte.

CONTACT

For questions about the Institute, contact institute coordinator Amanda Binder at abinder3@uncc.edu

To request an accommodation or for inquiries about accessibility, contact Savannah Lake at savannah.lake@uncc.edu

UNIVERSITY OF NORTH CAROLINA CHARLOTTE | J. MURREY ATKINS LIBRARY

H+ DIGITAL HUMANITIES INITIATIVES FRANKLIN HUMANITIES INSTITUTE

DIGITAL HUMANITIES COLLABORATIVE OF NORTH CAROLINA

JOHN HOPE FRANKLIN HUMANITIES INSTITUTE AT DUKE UNIVERSITY

DIGITAL HUMANITIES AND THE ENVIRONMENT

SCHEDULE

THURSDAY, APRIL 21, 2022 – FRIDAY, APRIL 22, 2022

THURSDAY, APRIL 21, 2022

10:00 - 10:45 am EST

DIGITAL BOTANY: GETTING BACK TO OUR ROOTS
Aaron Kampe (UNC Charlotte)

EXPLORING THE EDUCATIONAL ENVIRONMENT THROUGH DATA VISUALIZATION
Borim Song (East Carolina University) Kyungeun Lim (Northern Arizona University)

11:00 - 11:45 am EST

ACCESSING THE ARCHIVES: AMERICAN CHILDREN'S ENVIRONMENTAL WRITING FOR EVERYONE
Karen Kilcup, Jessica Cory, Mary Miller, Rene Marzuk (UNC Greensboro)

CREATING THE SILOAM SCHOOL VIRTUAL TOUR
Angel Johnston and Lauren Wallace (The Charlotte Museum of History)

12:00 - 12:45 pm EST

Lunch and Q&A with Lightning Talk presenters.

Watch lightning talks in advance.

REMOVING THE GATEKEEPER: USING DH TOOLS TO MINIMIZE THE IMPACT OF FACULTY BIAS ON THE STUDENT LEARNING ENVIRONMENT
Keaton Johanson (California State University, Fresno)

GAME DESIGN AS ENVIRONMENTAL ACTIVISM
Chelsea Brtis (UNC Charlotte)

AN INTERPRETIVE HISTORY OF THE LOWER DEEP RIVER REGION, NC
Cole Wicker (Duke University)

NOTES FROM THE SILICON AGE: AN INTERACTIVE EXPLORATION ON THE MEANING(S) OF NATURE
Noel Castro Fernandez (UNC Chapel Hill)

DIGITAL MUSEUMS AND MISSING NARRATIVES: INTENTIONALITY AND CRITICAL HISTORIOGRAPHY
Sean Loughran, Chrissy O'Grady, Adrianna Martinez (SUNY New Paltz)

ROOTS OF RESISTANCE: A DIGITAL/PHYSICAL EXHIBITION
Anne Parsons (UNC Greensboro)

SUMMONING AI ART: USING MACHINE LEARNING TO FOSTER CREATIVITY IN THE CLASSROOM
Daniel Hutchinson (Belmont Abbey College)

ECOLOGICAL DISTURBANCE & RECOVERY: RE-IMAGINING ACCESSIBILITY IN TECH-MEDIATED CLASSROOMS
Ashlyn Walden (UNC Charlotte)

THURSDAY, APRIL 21, 2022 (continued)

1:00 - 1:45 pm EST

DIGITAL EXPLORATION OF SPATIAL ENVIRONMENTS: PHYSICAL, CONCEPTUAL, VIRTUAL
Hannah Jacobs, Paul Jaskot, Augustus Wendell (Duke University)

2:00 - 2:45 pm EST

USING HISTORICAL SATELLITE IMAGERY IN LATIN AMERICAN ENVIRONMENTAL HISTORY
Frederico Freitas (North Carolina State University)

"IT ALWAYS SEEMS IMPOSSIBLE UNTIL IT IS DONE": HOW WE CAN IMPLEMENT EQUITABLE AND INCLUSIVE PRACTICES INTO OUR ENCODING STANDARDS TO MEET THE NEEDS OF OUR CHANGING SOCIAL AND CULTURAL ENVIRONMENTS
Heather Ball (St. John's University) and Kathryn Simpson (University of Glasgow)

FRIDAY, APRIL 22, 2022

10:00 - 11:15 am EST

PLENARY SESSION:
ENVIRONMENTS OF DH: HOW OUR WORK IS IN AND OF THE WORLD
Speaker: Amanda Starling Gould, PhD (Duke University)

AFTERNOON SESSION: DH MEETUPS ACROSS NORTH CAROLINA
Take a break from the virtual world and meet with DH enthusiasts in your area! Information about locations and times will be emailed to those who register.

ABSTRACTS: LIGHTNING TALKS
PRE-RECORDED

REMOVING THE GATEKEEPER: USING DH TOOLS TO MINIMIZE THE IMPACT OF FACULTY BIAS ON THE STUDENT LEARNING ENVIRONMENT

Keaton Johanson, Digital Studies Librarian (California State University, Fresno)

This presentation examines the harm of faculty bias on the student learning environment when it acts to filter information. The application of some DH tools is examined for possible solutions.

GAME DESIGN AS ENVIRONMENTAL ACTIVISM

Chelsea Brtis (UNC Charlotte)

Video games, like all media, act as a lens into how we as a society perceive our world. Through games we can see the environment being treated as a resource of unlimited consumption, non-reactive to harm, and something to be conquered. Game Design as Environmental Activism explores how I have personally been designing video games as a means to challenge how we pose the environment and our relationship with it to encourage more sustainable relationships outside of the game.

AN INTERPRETIVE HISTORY OF THE LOWER DEEP RIVER REGION, NC

Cole Wicker (Duke University)

In 2007, the NC legislature approved the creation of the Deep River State Trail due to its biological and recreational value. I am presenting the Deep River's history and its regional influence in a publicly accessible way, allowing for community members, recreators, and educators to learn from the Deep River.

NOTES FROM THE SILICON AGE: AN INTERACTIVE EXPLORATION ON THE MEANING(S) OF NATURE

Noel Castro Fernandez (UNC Chapel Hill)

Notes from the Silicon Age' is an interactive work in progress that aims to understand the meaning(s) of nature in the time we're living. Making use of the multimedia structure of an interactive documentary essay, this piece examines nature as a hybrid construct: a source of mental health and wellbeing, of scientific fascination and creative expression, political activism, refuge and connection, but also of fear and domination. This lightning talk will examine issues of representation through digital interfaces, user experience and design considerations as well as the connections between the documentary essay and interactive media as a potential approach to digital humanities.

DIGITAL MUSEUMS AND MISSING NARRATIVES: INTENTIONALITY AND CRITICAL HISTORIOGRAPHY

Sean Loughran, Chrissy O'Grady, Adrianna Martinez (SUNY New Paltz)

This lightning talk will feature a discussion between Sean Loughran, a recent alumnus of SUNY New Paltz, with Research & Education Librarians Adrianna Martinez and Chrissy O'Grady, about an unfinished digital exhibit crafted under their mentorship. The exhibit was meant to display the experiences of indigenous peoples within the Navajo Nation during the 1918 Flu Pandemic and the 2020 Covid-19 Pandemic but was critically and intentionally left out of the completed collection after not being able to find enough respectful digitized data and information to create an accurate or whole narrative. We ask the question, what does it mean for western historical epistemology to respectfully create historical narratives for communities harmed by this process.

ROOTS OF RESISTANCE: A DIGITAL/PHYSICAL EXHIBITION

Anne Parsons, Director of Public History (UNC Greensboro)

Roots of Resistance: The Tuchyn Story is a hybrid digital/physical traveling exhibition that tells the story of a Jewish uprising in the Holocaust. The exhibit uses natural elements and themes of the forest to engage high school-age students with this difficult past. Roots of Resistance is a collaborative, interdisciplinary project that serves students in the United States and internationally as well.

SUMMONING AI ART: USING MACHINE LEARNING TO FOSTER CREATIVITY IN THE CLASSROOM

Daniel Hutchinson (Belmont Abbey College)

This lightning talk will explore the emergence of the AI art scene since December 2021, and the techniques used by artist-programmers to harness machine learning for creative ends. These techniques can empower students to explore genre and historical periods of art in dynamic ways. Sample Colab notebooks for producing AI art will be available for attendees. The talk will also note the controversies of the AI art marketplace and the environmental impact of non-fungible tokens (NFTs).

ECOLOGICAL DISTURBANCE & RECOVERY: RE-IMAGINING ACCESSIBILITY IN TECH-MEDIATED CLASSROOMS

Ashlyn Walden, Senior Lecturer, Writing, Rhetoric, & Digital Studies Department (UNC Charlotte)

At a time when many faculty are both rising to and collapsing under the challenges of teaching during a pandemic, this presentation argues that the digital humanities are at a decisive moment concerning accessibility. Using mixed-methods data from eight first-year composition courses, this research analyzes and articulates how some students discern the accessibility of instructional materials through the framework of Universal Design (UD). More specifically, this presentation demonstrates how one might replicate, refine, and apply similar study designs which can ultimately help us to be more attentive to inclusivity in the initial stage of course development and research.

DIGITAL HUMANITIES AND THE ENVIRONMENT

ABSTRACTS: VIRTUAL PRESENTATIONS

THURSDAY, APRIL 21, 2022

10:00 - 10:45 am EST

DIGITAL BOTANY: GETTING BACK TO OUR ROOTS

Aaron Kampe (UNC Charlotte)

Modern technology often takes us further from nature than ever. Software that integrates and enhances our interest in the natural world can bring us back together.

EXPLORING THE EDUCATIONAL ENVIRONMENT THROUGH DATA VISUALIZATION

Borim Song (East Carolina University) and Kyungeun Lim (Northern Arizona University)

Two art educators will share how they used data visualization in their teaching and research to encourage the students to explore and make sense of their educational environment. The session participants will explore practical strategies for data visualization and creation tools for teaching and research.

11:00 - 11:45 am EST

ACCESSING THE ARCHIVES: AMERICAN CHILDREN'S ENVIRONMENTAL WRITING FOR EVERYONE

Karen Kilcup, Jessica Cory, Mary Miller, Rene Marzuk (UNC Greensboro)

How can researchers help teachers and scholars access a coherent body of familiar and fugitive texts from the long nineteenth century? And how can they expand the characteristic audience for humanities scholarship, especially archival scholarship, beyond the academy? Our presentation will share an ongoing digital project, The Envious Lobster, that offers some preliminary responses to these questions.

CREATING THE SILOAM SCHOOL VIRTUAL TOUR

Angel Johnston and Lauren Wallace (The Charlotte Museum of History)

In a forced pandemic pivot, the Museum borrowed tactics from real estate and created a virtual 360-degree tour of a 100-year-old segregated Black schoolhouse in Mallard Creek. The tour captures the space in its changed environment and allows users to explore a once-hidden piece of our community's history. In this presentation, we'll discuss the tactics we borrowed and cobbled together to recreate the tour experience for virtual audiences and the opportunities afforded by a digital-first project.

12:00 - 12:45 pm EST

LUNCH AND Q&A WITH LIGHTNING TALK PRESENTERS

Lightning Talks are pre-recorded. Please watch before this session to prepare questions and comments for the presenters.

1:00 - 1:45 pm EST

DIGITAL EXPLORATION OF SPATIAL ENVIRONMENTS: PHYSICAL, CONCEPTUAL, VIRTUAL

Hannah Jacobs, Paul Jaskot, Augustus Wendell (Duke University)

This small group presentation focuses on how digital analysis of different physical, conceptual, and virtual environments extends the critical potential for project-based Digital Humanities research and teaching. Our presentations will range from spatial analysis of Nazi-occupied Krakow to embedding archival materials in 3D virtual environments to using social network analysis to understand scholarly communities. Following short presentations of c. 10 minutes each, we will open discussion to how the spatial humanities in particular helps us imagine historical environments but also interrogate different concepts of "environment" in the Humanities.

2:00 - 2:45 pm EST

USING HISTORICAL SATELLITE IMAGERY IN LATIN AMERICAN ENVIRONMENTAL HISTORY

Frederico Freitas (North Carolina State University)

In this presentation, I discuss the challenges of using aerial and satellite images as sources for Latin American Environmental History Projects. I focus on the history of border national parks in Brazil and Argentina (1953-2014).

"IT ALWAYS SEEMS IMPOSSIBLE UNTIL IT IS DONE": HOW WE CAN IMPLEMENT EQUITABLE AND INCLUSIVE PRACTICES INTO OUR ENCODING STANDARDS TO MEET THE NEEDS OF OUR CHANGING SOCIAL AND CULTURAL ENVIRONMENTS

Heather Ball (St. John's University) and Kathryn Simpson (University of Glasgow)

This presentation is based on research that looks at pedagogical approaches within DH textual encoding to disrupt the systemic and oppressive power structures that often overlay the corpus of a DH project. By interrogating the current encoding standards, we seek to find ways to build in more equitable and inclusive practices on not only a singular-project level, but within the field more widely. Evidencing the outcomes of our research so far will provide concrete examples of the subjectivity of supposedly neutral terms within encoding standards and from which we hope to foster rich discussion with participants and suggest to new praxis.

VIRTUAL PLENARY & IN-PERSON MEETUPS

FRIDAY, APRIL 22, 2022

PLENARY SPEAKER

The plenary session will be co-sponsored by the Digital Humanities Initiative at the Franklin Humanities Institute (DHI@FHI) and J. Murrey Atkins Library at UNC Charlotte.

10:00 – 11:15 am EST

2022 DHC-NC INSTITUTE PLENARY SESSION
ENVIRONMENTS OF DH: HOW OUR WORK IS IN AND OF THE WORLD

Our digital devices and the data processes we code and encode are deeply embedded in physical and social contexts. I'll suggest that mineral mines, undersea cables, data warehouses, the command line, and e-waste mounds are locations where DH is Environmental. These are sites where digitality and wirelessness connect technologies to bodies and soils. These remind us the body does not end where technology begins, and that DH does not begin or end at the device. Messy are the clean categories we might want to use to categorize "environments" when we can perhaps no longer understand separately what is now inseparable.

There is no DH work outside the Environment, and in attuning to the human-earth-technology relation we recognize the Environment in our DH.

SPEAKER BIO

AMANDA STARLING GOULD, PhD

Duke University

Co-Directs Duke Story+ at the Franklin Humanities Institute. Researches Learning Innovation, Embodied Practice, EcoCritical Digital Humanities, Digital Metabolism. Advocates for access, accessibility, sustainable digitality.

Online at: amandastarlinggould.com | @stargould

AFTERNOON SESSION

DH MEETUPS ACROSS NORTH CAROLINA

Take a break from the virtual world and meet with DH enthusiasts in your area! Different institutions across the state have organized in-person meetups the afternoon of April 22nd. All are welcome to join. This is a great opportunity to network with others in your area who are interested in or working in the world of digital humanities. Find partners for your next DH project or talk about the presentations you enjoyed from the institute! We hope to see you there!

Information about locations and times will be emailed to those who register.

INSTITUTE ORGANIZERS

The Digital Humanities Collaborative of North Carolina (DHC-NC) is a community of practice of digital humanities scholarly, technical, and creative practitioners, teachers, and learners. The mission of the Digital Humanities Collaborative of North Carolina is to promote digital humanities projects and practices across North Carolina in an inclusive and equitable fashion. DHC-NC supports digital humanities institutes each year at various institutions in North Carolina. To learn more, visit dhcnc.org.

The Digital Humanities Institute is hosted this year by the University of North Carolina at Charlotte, in partnership with DHC-NC.

Special thanks to the following for assisting with this year's institute:

ADREONNA BENNETT
Community Engagement Librarian/Archivist
UNC Charlotte

SYLVIA MARSHALL
Master's Candidate, History
UNC Charlotte

AMANDA BINDER
Social Sciences & History Librarian
UNC Charlotte

JENNA RINALDUCCI
Arts & Architecture Librarian
UNC Charlotte

REBECCA BRANTLEY
Undergraduate, History
UNC Charlotte

TINA SHULL
Assistant Professor, History
UNC Charlotte

SAVANNAH LAKE
Digital Scholarship Coordinator
UNC Charlotte

DIGITAL HUMANITIES WORKING GROUP
Atkins Library
UNC Charlotte

MAHRUKH MAQSOOD
Master's Candidate, Communication Studies
UNC Charlotte

DHC-NC EXECUTIVE BOARD

CHARLOTTE J. MURREY ATKINS LIBRARY

DIGITAL HUMANITIES INITIATIVES FRANKLIN HUMANITIES INSTITUTE

DIGITAL HUMANITIES COLLABORATIVE OF NORTH CAROLINA

JOHN HOPE FRANKLIN HUMANITIES INSTITUTE AT DUKE UNIVERSITY