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Collaborating Sites:

University of Maryland
Maryland Institute for Technology in the Humanities

Acknowledgments

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Digital Humanities Winter Institute 2013: January 7-11, 2013

Maryland Institute for Technology in the Humanities
University of Maryland, College Park

Institute Summary:

The Maryland Institute for Technology in the Humanities (MITH) at the University of Maryland proposes to serve as host of the **Digital Humanities Winter Institute**. An extension of the highly successful Digital Humanities Summer Institute (DHSI) at the University of Victoria, DHWI provides a week-long opportunity for intensive learning in skills relevant to practitioners in the digital humanities through coursework, seminars, and lectures. DHWI will take place during the period between the new year's holiday and the start of the spring semester, providing an alternate opportunity for participants who cannot attend the popular Summer Institutes. MITH, a leading digital humanities center that pursues disciplinary innovation and institutional transformation through applied research, is located in College Park, Maryland and acts as a loci for digital humanities efforts in the greater Washington D.C. area. A winter institute in the Washington D.C. area has great potential to expand the reach of existing digital humanities training programs by drawing participants not just from the academic community but also from cultural heritage institutions located in the region including the Folger Library, the Smithsonian, the National Archives, and the Library of Congress. As such, we anticipate roughly 100 participants for the inaugural DHWI with the potential for expansion as interest increases.

Host and Sponsors

DHWI will be hosted by the University of Maryland's Maryland Institute for Technology in the Humanities with support from the University of Maryland Libraries and the College of Arts and Humanities. DHWI has secured additional sponsorships from the Emerging Modernism in Canada Project and the City University of New York (CUNY) [Graduate Center Digital Initiatives Program](#).

First Annual Institute Lecture

Seb Chan, Cooper Hewitt: Sebastian Chan is the former Head of Digital, Social and Emerging Technologies at the [Powerhouse Museum](#). Coming from a background in social policy, journalism and media criticism as well as information technology, he has been building and producing websites and interactive media since the mid 1990s. He is a researcher in several Australian Research Council Linkage projects researching social media, museums, and technology; and is a regular speaker in Australia having presented widely in the cultural sector and also at technology events Web Directions South and CeBIT. He is on the international programme committees of Museums and the Web (USA), Digital Strategies for Heritage (Eu), the Horizon.Au New Media Consortium, and is an International Steering Committee member of Culturemondo, an international group of representatives of cultural portal strategists.

DHWI Proposed Courses:

Core Courses:

1. Project Development

Instructor: [Jennifer Guiliano](#), Assistant Director, [Maryland Institute for Technology in the Humanities](#), University of Maryland

Simon Appleford, Clemson University Cyber Institute

The Project Development course will explore the fundamentals of project design including, but not limited to: formulating appropriate disciplinary questions for digital humanities research, investigating digital humanities tools and resources, structuring your first project, designing publicity and websites for your project, documenting your project work, writing your first grant proposal, and managing your budget.

2. Humanities Programming Instructors: [Wayne Graham](#), Head, Research and Development, [Scholars' Lab](#), University of Virginia

[Jeremy Boggs](#), Design Architect, [Scholars' Lab](#), University of Virginia

This course focuses on introducing participants to web development through the use of the Ruby on Rails web application framework. This course will introduce programming and design concepts, project management and planning, workflow, as well as the design, implementation, and deployment of a web-based application. Technologies covered in this course will include git, HTML, CSS, JavaScript, Ruby, Rails, and relational (and non-relational) data stores. Over the course of the week, we will work through the practical implementation of a developing and deploying a small-scale web application.

Intermediate Courses:

3. Data Curation for Digital Humanists:

Instructors: [Trevor Muñoz](#), Associate Director, [Maryland Institute for Technology in the Humanities](#) and Assistant Dean for Digital Humanities Research, University of Maryland Libraries

[Dorothea Salo](#), Faculty Associate, [University of Wisconsin](#)

Data Curation for Digital Humanists: Carrying out computational research with digital materials requires that humanists understand how to manage and curate data over its entire lifetime of interest—not only for their own project but also for reviewers and other scholars seeking to reuse data and publications. Effective data curation involves gaining fluency with publication practices and norms, metadata standards, and the technical characteristics of digital data. Data Curation for Digital Humanists will cover four key areas of data curation: modeling and capturing information for successful curation; understanding infrastructure and systems; navigating legal and ethical issues; and policy, planning and outreach. Participants will understand how to

conduct data curation assessments, write and implement data management plans, better integrate their projects with community standards and technologies, and coordinate with Libraries and IT Groups for access to data curation tools and infrastructure.

4. Exploring Image Analyses

Instructor: [Michael Meredith](#), Post Doctoral Research Associate, [Humanities Research Institute](#), University of Sheffield, UK

Exploring Image Analysis will engage participants in image analysis techniques for use within their digital research agendas. Participants will be introduced to fundamental concepts in image identification, manipulation, and assessment as well as be given the opportunity for hands on exploration of historical images within digital tools. Participants will be offered the chance to explore their own image dataset, identify existing image algorithms and tools for their use (and/or potential directions to take to build nonexistent tools), and examine what questions can be answered through image analysis.

5. Teaching through Multimedia

Instructors: [Virginia Kuhn](#), Assistant Professor of Cinema Practice, School of Cinematic Arts, [University of Southern California](#), Associate Director, [Institute for Multimedia Literacy](#) and Director, Honors in Multimedia Scholarship Program at USC

[Cheryl Ball](#), Associate Professor, Department of English, [Illinois State University](#) and editor of [Kairos: A Journal of Rhetoric, Technology, and Pedagogy](#)

Teaching through Multimedia will explore innovative strategies for increasing engagement in the undergraduate and graduate classroom with sound, images, and interactivity. This course explores the interrelationships among technology, culture and communication in order to form a solid foundation for scholarly multimedia authoring. Participants will examine several genres of multimedia scholarship, with the goal of being able to deploy them strategically in a variety of academic contexts.

Advanced Courses:

6. Large-Scale Text Analysis with R

Instructor: [Matt Jockers](#), Assistant Professor of Digital Humanities, Department of English, [University of Nebraska](#)

Text collections such as the [Google Books](#) have provided scholars in many fields with convenient access to their materials in digital form, but text analysis at the scale of millions or billions of words still requires the use of tools and methods that may initially seem complex or esoteric to researchers in the humanities. Large-Scale Text Analysis with [R](#) will provide a practical introduction to a range of text analysis tools and methods. The course will include units on data extraction, stylistic analysis, authorship attribution, genre detection, gender detection, unsupervised clustering, supervised classification, topic modeling, and sentiment analysis. The main computing environment for the course will be R, "the open source programming language and software environment for statistical computing and graphics." While no programming

experience is required, students should have basic computer skills and be familiar with their computer's file system and comfortable with the command line. The course will cover best practices in data gathering and preparation, as well as addressing some of the theoretical questions that arise when employing a quantitative methodology for the study of literature. Participants will be given a "sample corpus" to use in class exercises, but some class time will be available for independent work and participants are encouraged to bring their own text corpora and research questions so they may apply their newly learned skills to projects of their own.

7. Publishing and Using Linked Open Data

Instructor: [Richard Urban](#), Visiting Assistant Professor, [Florida State University](#)

The publication of structured knowledge representations and open data on the Web opens new possibilities for collaboration among humanities researchers and cultural heritage organizations. This course will introduce participants to the core principles of Linked Open Data (LOD), techniques for building and understanding LOD models, how to locate LOD sources for research, tools for manipulating, visualizing, and integrating available data, and best practice methodologies for publicizing and sharing datasets.

8. Digital Editions

Instructor: [Dean Irvine](#), Associate Professor, Department of English, [Dalhousie University](#)

This course is designed for individuals and groups who are interested in creating scholarly digital editions. Topics covered will include an overview of planning and project management, workflow and labour issues, and tools available for edition production. We will be working with the Modernist Commons (<http://modernistcommons.ca>), a collaborative digital editing environment and repository designed by the Editing Modernism in Canada (EMiC) project in collaboration with Islandora and its software-services company DiscoveryGarden. We will work on both text- and image-based editions, following a modularized edition-production workflow--from ingesting images, processing texts with optical-character-recognition software, uploading born-digital content, performing markup on transcriptions and images, collating variant texts, and displaying text and apparatus in different viewers. By the end of the course, participants will have worked through the practical implementation of a modular, small-scale edition prototype. Basic knowledge of TEI and some familiarity with RDF (specifically the standards of the Open Annotation Collaboration) is strongly recommended but not required. The seminar is open to everyone, although it is specifically tailored to participants of the EMiC project. Participants need not be modernists or Canadianists to take advantage of using open-source software and learning best practices for scholarly editing in digital media.

Anticipated Attendance: DHWI courses will be set at a maximum enrollment of 20 students per courses. All courses will be open-enrollment with at least 5 spots reserved in each course for scholarship students and sponsored attendees.

Additional Activities:

Graduate Student Networking Event

Hosted by: the City University of New York (CUNY) Graduate Center Digital Initiatives Program
The Graduate Student Networking Event, open to all DHWI graduate students, will allow young scholars to engage with one another, discuss issues of concern in DH, and speak with leading digital humanists and instructors. Refreshments will be provided.

API Workshop

Hosted by:

[Dave Lester](#), Creative Lead, [Maryland Institute for Technology in the Humanities](#)

[Ed Summers](#), Information Technology Specialist, [Library of Congress](#)

The API workshop will provide attendees with the hands-on opportunity to learn about APIs for use with cultural heritage datasets to improve digital access to cultural heritage collections. This event will be limited to the first 25 attendees, and is open to participants at an introductory level.

The Million Syllabi Project Hack-a-thon

Hosted by: [Dave Lester](#), Creative Lead, [Maryland Institute for Technology in the Humanities](#)

The Million Syllabi Project Hack-a-thon will explore new ways of using [the million syllabi dataset](#) gathered by Dan Cohen's Syllabus Finder tool from 2002 to 2009. Join a group of hackers exploring teaching, pedagogy, and the syllabus.

[Humanities, Plain & Simple](#)

Institute participants will be asked to contribute to the 4Humanities campaign to document how Humanities-based thinking has directly or indirectly altered or innovated their strategies, ideas, research, leadership, and learning. Participants are invited to: -record short 30 second statement in the importance of the humanities in their lives -contribute a multimedia piece -post a blog -submit a code snippet

DHWI Ignite

DHWI Ignite showcases new and emerging, innovative and engaging work of those at DHWI by providing the opportunity for 5-minute stand up talks during the opening reception the first night of the Institute. Open to Institute attendees and digital humanists in the DC region, DHWI Ignite is a social networking event where presenters give 5-minute fun, thought-provoking, presentations on topics of their choice in the digital humanities. A Call for Ignite Talks will be distributed in late summer 2012.

Proposed Schedule of Events (subject to change):

Sunday, January 6, 2013

6:00-7:30 pm

DHWI Registration: Marriott Lobby

7:30 pm

Instructors and Speaker Dinner

Monday, January 7, 2013

8:30-9:00 am	Registration
9:00-9:30 am	Welcome
9:30- 10:45	Class Session 1
10:45-11:00 am	Break
11:00 am- Noon	Class Session 2
Noon- 1 pm	Lunch (provided)
1:00-2:30 pm	Class Session 3
2:30-2:45 pm	Break (snacks provided)
2:45-4:00 pm	Class Session 4
4:00-5:00 pm	Lecture: Speaker TBA
5:30 pm-7:00 pm	Graduate Student Networking Event
7:00 pm	Dinner (on your own)

Tuesday, January 8, 2013

8:30-9:00 am	Continental Breakfast (provided)
9:00 am- 10:30 am	Class Session 5
10:30-10:45 am	break
10:45- Noon	Class Session 6
Noon- 1:00 pm	Lunch (provided)
1:00- 2:45 pm	Class Session 7
2:45- 3:00 pm	break (snacks provided)
3:00-5:00 pm	Class Session 8
5:30-7:00 pm	DHWI Public DH: API Workshop
7:00 pm	Dinner on your own

Wednesday, January 9, 2013

8:30-9:00 am	Continental Breakfast (provided)
9:00-10:00 am	Lecture: Speaker T.B.A.
10:00-10:15 am	Break
10:15-Noon	Class Session 9
Noon- 1:00 pm	Lunch (provided)
1:00-2:45 pm	Class Session 10
2:45-3 pm	Break (snacks provided)
2:45-5:30	DHWI Ignite
5:30-8:30	DHWI Public DH: Millions Syllabi Project Hackathon

Thursday, January 10, 2013

8:30-9:00 am	Continental Breakfast (provided)
9-10:30 am	Class Session 11
10:30-10:45 am	break
10:45-Noon	Class Session 12
Noon- 1:00 pm	Lunch (provided)
1:00-3:00 pm	Class Session 13
3:00-3:15 pm	Break (snacks provided)
3:15-5:00 pm	Class Session 14
5:30-7:30 pm	DHWI Banquet Humanities Plain and Simple

Friday, January 11, 2013

8:30-9:00 am	Continental Breakfast (provided)
9:00-10:45 am	Class Session 15

10:45 am- 11:00	break
11:00-Noon	Class Session 16
Noon- 1:00 pm	Lunch (provided)
1:00-2:30 pm	Class Wrap-Up
2:30-2:45 pm	Break (snacks provided)
2:45-3:45 pm	Show and Tell
3:45-4:30 pm	Individual Consultations and Partnership Meetings (optional)