SIG VIS

asis&t

Special Interest group for Visualization Image and Sound

The mission of the Special Interest Group for Visualization, Image, and Sound (SIG VIS) is to

SIG VIS

promote the exchange, development, communication, and dissemination of information and research related to visual and graphic information among ASIS&T members and to the larger community of practitioners and scholars.

SIG VIS provides a forum for ASIS&T members to discuss, develop and promote issues and research involving graphic representations, audio and non-textual information retrieval, and information visualization. Such information includes, but is not limited to, text document images, multimedia, interactive systems, still and moving pictures with or without sound, geographic attributes, topology, and virtual representations of the visual world.

Message from Co-chairs

Co-Chair
Zack Lischer-Katz, PhD
Assistant Professor
Digital Curation and Preservation
School of Information,
of Social and Behavioral Sciences,
University of Arizona, Tucson, AZ

I use qualitative research methods to examine the discourses and phenomenology of visual information; in particular, how institutions and individuals construct knowledge using visual and multi-sensory information formats, and how preservation knowledge emerges and becomes legitimized in the practices and discourses of institutions that collect visual materials. My current research looks at how virtual reality and 3D technologies can be integrated into academic libraries to support research and pedagogy, and the emergent preservation and curation challenges they present to institutions and preservation professionals.

Co-Chair
Jelina Haines
PhD
Video Ethnographer, Visual Art Designer
Entrepreneur, Educator,
Cultural Weaver/Liaison and Mentor

Dr Jelina Haines is a Filipino-born Australian with an ancestral link to Indigenous Americas-Mexico. She gained her PhD studies in Information Science at the School of UniSA STEM, University of South Australia. Her research interest lies in interdisciplinary studies related to human information behaviour, ethical information recovery of specific knowledge held by traditional Storytellers, and the social impact of digital technologies in marginalised communities, particularly in Indigenous people. She used technology for everyday practices and social informatics to preserve oral knowledge, digital curation and ethical video recording of cultural stories and communal activities for posterity. The novel contribution of her research is the development of the Ngarrindjeri Knowledge Journey' (NKJ) model designed based on the cyclical process of Elder's knowledge being created, synthesised, translated, and the ethical dissemination of cultural stories and communal activities interpreted within a social and cultural context.

Data visualization provide better analysis allowing the identification of trends and patterns to gain insights and understand the structure of the data and turn them into a story.

WEBINAR

Building a Literacy Pedagogy Framework for Approaching Visualization of Archival Data (SIG-VIS) by Arjun Sabharwal

Various tools have emerged in the past decade to facilitate the visualization of computer- and human-generated data in the Big Data environment with the help of algorithms and data architectures. Tools such as Tableau, ArchiveGrid, ArchivesHub, ArchivesSpace, and OpenRefine, have significantly accelerated the discovery of archival collections across computer networks in combination with archival description standards (e.g., Description of Archival Content Standard, or DACS), metadata schemata (e.g., Encoded Archival Description, or EAD), and data types (e.g., XML, JSON, and others) for visualization. Yet, there remains a vast body of data in legacy (including early electronic files but mostly those in print, film-based and analog) formats that may require manual interventions for Big Data applications—a hybrid (both human and artificial) intelligence approach may well serve archivists in this emerging environment.

Archival collections are unique with respect to structure, content, provenance, and—particularly in the case of multicultural community archives—ontologies, which can lead to "cultural infodiversity" (to use Tony Gill's term) because of disparate data.

Knowledge organization and description practices in the archival field differ from those in the libraries and databases: they represent provenance, original order, and other emerging cultural practices. Visualizing data in archival finding aids and metadata records will include utilizing legacy finding aids, metadata records, and ontologies, and the mapping of data structures to emerging data models used for born-digital collections. While archival skills training is inevitable most digital specialists can increase their literacies through workshops, self-didactic methods, or formal certification and degree programs. Because archives are so unique, literacy pedagogy frameworks may vary from one institution to the next but critical literacies such as archival (and digital archival), data, visual, and computer literacies will lend consistency to such frameworks and methods. This webinar addresses two joint concerns: among visualization experts, the need to understand archival description practices; and among archivists, to prepare metadata for visualization. While it focuses on the visualization of archival data, it also aims to inform methods already in use by digital archivists, data scientists, and others interested in visualizing archival collections.

Date: February 17, 2022
Time: 11:00 PM - 12:00 PM EST

Arjun Sabharwal joined the University of Toledo Libraries faculty as Digital Initiatives Librarian in January 2009. His areas of responsibilities have included digitizing manuscript collections and archival records and developing virtual exhibitions at the Ward M. Canaday Center for Special Collections, managing the University of Toledo Digital Repository, and curating Toledo's Attic Virtual Museum focusing on the local history and cultural heritage of Northwest Ohio. Since 2017, he has also been the lead technical contact for the Open Journal Systems, which houses several Open Access journals at the University of Toledo. His research interests include Digital Humanities, interdisciplinary approaches to digital curation, digital preservation, archival science, and information architecture. He has been a member of ASIS&T since 2002 and particularly Arts & Humanities, Visualization, and Digital Library SIGs. **He is the author of Digital Curation in the Digital Humanities: Preserving and Promoting Archival and Special Collections (Oxford, UK: Chandos Publishing, 2015).** His sabbatical research focused on institutional repository engagement frameworks. Additional responsibilities include serving as the University Libraries' Diversity and Inclusion Officer (2021-2026) and as subject liaison to the Geography & Planning and Political Science/Public Administration departments.

Arjun Sabharwal

Associate Professor of Library Administration and Digital Initiatives Librarian for the University of Toledo.

The beauty of data visualization

by David McCandless. He turns complex data sets, into simple diagrams that tease out unseen patterns and connections.
Link: https://www.youtube.com/watch?v=5Zg-C8AAIGg

What is Data Visualization in 3 minutes?

by Egencia Link:
https://www.youtube.com/watch?v=VyhLRJVoIrIEge

Storytelling with Data | Cole Nussbaumer Knaflic | Talks at Google

Link: https://www.youtube.com/watch?v=8EMW7io4rSI

Moving Beyond Data Visualization | Frank Evans | TEDxOU

Link: https://www.youtube.com/watch?v=WkhJqhKtdf8

SIG-VIS RESOURCES

SIG-VIS plans to submit a paper for the panel Panels and Alternative Events 85th Annual Meeting of the Association for Information Science and Technology in collaboration with SIG-DL. For more info on ASIS&T2022, please visit the link: https://www.asist.org/am22/

Webinar title: Building a Literacy Pedagogy Framework for Approaching Visualization of Archival Data
Presenter: Arjun Sabharwal
Date: February 17, 2022
Time: 11:00 PM - 12:00 PM EST
Detailed information and link: https://www.asist.org/building-a-literacy-pedagogy-framework-for-approaching-visualization-of-archival-data-sig-vis/

SIG-VIS ByLaws was created and submitted for approval

Computer-Assisted Analyses of Digitized Fine Art:
Cézanne and His Sources
with Dr. Melinda Weinstein:
https://members.asist.org/events/Details/computer-assisted-analyses-of-digitized-fine-art-c-zanne-and-his-sources-317411?sourceTypeId=Website

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