



SIG VIS

Special Interest Group for Visualization Image and Sound

SIG-VIS ANNUAL NEWSLETTER REPORT | JULY/AUGUST 2022 | ISSUE 2 | VOLUME 2



SIG VIS

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

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.

Co-chair



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.





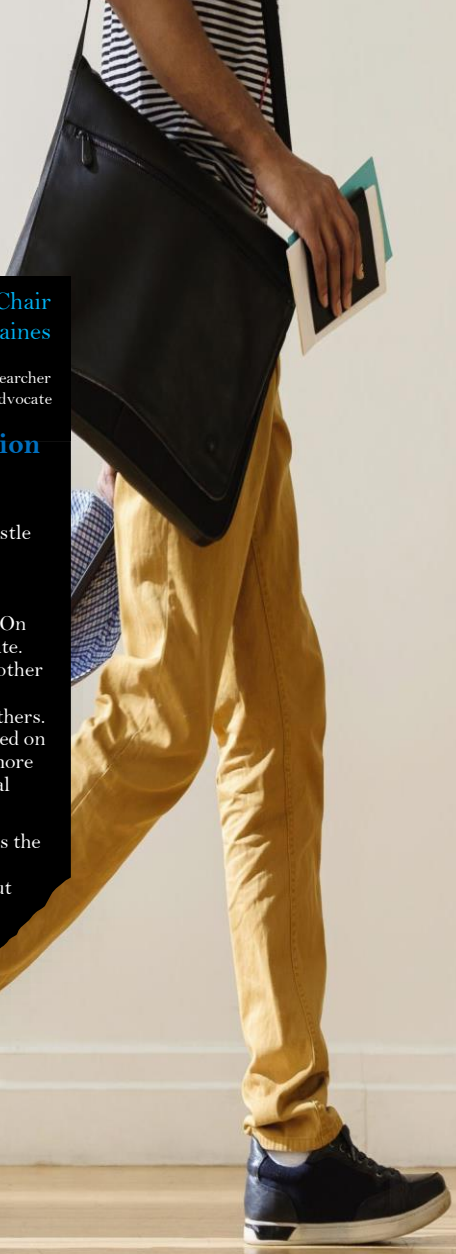
Co-Chair
Jelina Haines

Cultural Information Behaviour Researcher
Educator/Indigenous Advocate

Importance of Data Visualization in an Indigenous context

As we move to digital communication, we wrestle with information overload. The importance of images and visual media is changing how we represent data. Today, their written text is insufficient to understand the content readily. On the other hand, graphics alone is also inadequate. So, written text and visuals complement each other - the synergy of text and graphics can be appreciated by talking or sharing them with others. Like the Indigenous people, knowledge is passed on through stories and communal practices in a more constructive way in storytelling and traditional weaving practices.

The importance of data visualization completes the story from complex data sets to visuals and presents them in a graphical format to tease out unseen patterns and connections of data.



A woman with curly hair, wearing a striped shirt, a dark vest, and a necklace, is smiling and holding a large white sign. The sign has blue text on it. The background is black.

IMPORTANCE OF DATA VISUALIZATION

Data visualization provides 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.

SIG-VIS MEMBER'S COLUMN



Literary Education is of no value if it is not able to build up a sound character

Mahatma Gandhi

by Dr. Minaxi Parmar,
School of Library and Information Science,
Central University of Gujarat



We know that very well whether a particular education system is of high quality or low quality can be judged in terms of input process and output process. Progress in education is taken to be essential for sustainable development, environmental protection, improvement in maternal and child health and also participation in the democratic social and political process; Therefore Quality of basic education is a priority in almost every low-income and middle-income country. So what does quality mean in the context of education? Today I am including the following basic dimensions of quality education.

- Learners who are ready to participate and learn
- Process through which trained teachers are child-centred teaching approaches in well-managed classrooms.
- Teacher outcomes that current knowledge, skills and attitudes and are linked to national goals for education and positive participation in society.
- In current condition concern for quality.

Youth is the prime resource of the country. The development of the country rests squarely on the shoulders of her youth. Youth is shaped in the classroom of her school and colleagues. Thus the quality of youth is directly dependent on the quality of education. Quality has, hence rightly been expressed as a major concern in Indian education thus Dr. A P J Abdulkalam asked “Education should build the capacities of the spirit of inquiry creativity, entrepreneurial and moral leadership among students and become their role model”

In the recent era, youth assets are the core capital of the developing country. They have shaped only in the educational institute so the teacher is a most responsible person grater then parents who are shaped here future and directly connecting with the developers of the country. Therefore it’s a very sensitive, cordial responsibility of the teachers to students. They can’t neglect it; in the point of view of the future of the country and also our human being fundamental duties about the bright future of youths.

India is a secular country thus The Constitution of India were declare that education is a fundamental right of Indian citizens. Now when we will join the educational institute, be always aware that our self “we are the pioneer of the state and we must serve a qualitative education to our youths and become a sound character then we prove that own citizenship of our country”.





SIG-VIS ACTIVITIES 2021-2022



Call for Nominations: Best Student Paper Award for Research on Digital Collections

Call for Nominations: Best Student Paper Award for Research on Digital Collections

Sponsored by SIG-VIS & SIG-DL

\$1000 Award plus ASIS&T certificate

Nomination Deadline: July 15, 2022

Awards Notification: July 29, 2022

The SIG-VIS / SIG-DL Best Student Paper Award for Research on Digital Collections, offered by Special Interest Group-Visualization, Images, & Sound (SIG-VIS) and Digital Libraries (SIG-DL), has been established to assist promising students in becoming active contributors within SIG-VIS, SIG-DL, and the broader ASIS&T community. The award will be granted through a single submission cycle.

The Award

The SIG-VIS / SIG-DL Best Student Paper Award for Research on Digital Collections is intended to encourage and increase professional life-long learning and involvement in ASIS&T for students interested in digital collections and related areas of information studies research. The award is comprised of a modest monetary sum to assist with deferring travel costs to attend the ASIS&T Annual Meeting in person, consisting of a single award value of \$1000 to cover the Annual Meeting registration and travel. The award will be issued to the winning student prior to the ASIS&T Annual Meeting.

Eligibility & Selection

Current PhD students enrolled in information science or library and information science programs are eligible to be nominated. Current and former SIG-VIS and SIG-DL Executive Committee members are not eligible for the awards. Applicants' papers will be evaluated based on the quality of their submitted research article and relevance to SIG-VIS and/or SIG-DL study areas. Papers (long or short) must have been accepted to the program of the ASIS&T 2022 Annual Meeting.

Selection will be based on an evaluation of the student's paper, financial needs, brief biography, and CV/resume. A panel consisting of two members from the SIG-VIS Executive Committee and two members from the SIG-DL Executive Committee, will review the application materials and select the award recipient. Depending on the quality and diversity of the nominations, the awards may not be granted every year.

Nomination Procedure

To submit a nomination, complete the nomination application and upload your accepted paper. Self-nominations are accepted. Nominations will not be considered until all materials have been received. Nominations will be comprised of the following elements:

- The nominee's name, title, institution, and email address
- PDF copy of the student's paper accepted to ASIS&T Annual Meeting
- A statement addressing the following questions: How would the award support the nominee's attendance to ASIS&T Annual Meeting (e.g., financial need, etc. ~250 words)?
- A brief biography of the nominee (~250 words)
- A current CV/resume of the nominee (PDF, 3 pages)

Nominations should be submitted through the following link: <https://forms.gle/oNsX9JJa7vbGAjR96>

1. We co-sponsored this webinar with SIG-AH (with 48 registrations): "In the Streets; On the Walls: Archiving, Activism, and the Urban Art Mapping Street Art Database" (SIG-AH and SIG-VIS), Heather Shirey and David Todd Lawrence (University of St. Thomas and are co-directors of Urban Art Mapping Research Project), December 9, 2021, <https://members.asist.org/events/Details/in-the-streets-on-the-walls-archiving-activism-and-the-urban-art-mapping-street-art-database-457910?sourceTypeId=Website>
2. We sponsored this webinar: "Building a Literacy Pedagogy Framework for Approaching Visualization of Archival Data" (SIG-VIS), Arjun Sabharwal (Digital Initiatives Librarian, University of Toledo Libraries), February 17, 2022, <https://www.asist.org/building-a-literacy-pedagogy-framework-for-approaching-visualization-of-archival-data-sig-vis/>
3. We co-sponsored a Zoom Social Hour with members of SIG-USE on April 5, 2022
4. Co-sponsored: SIG-VIS & SIG-DL Best Student Paper Award for Research on Digital Collections (offered for the first time).
5. Positionality in Information Studies Research of Visuality: Ethical and Epistemological Considerations (SIG-VIS and SIG-DL) by Zack Lischer-Katz, University of Arizona, USA; Jelina Haines, University of South Australia, Australia; Iulian Vamanu, University of Iowa, USA

SIG-VIS Collaboration Research

November 1, 2022, 11:30 AM-12:10 PM (EDT)

Positionality in Information Studies Research of Visuality: Ethical and Epistemological Considerations (SIG-VIS and SIG-DL) by Zack Lischer-Katz, University of Arizona, USA; Jelina Haines, University of South Australia, Australia; Iulian Vamanu, University of Iowa, USA

ABSTRACT

This panel, co-sponsored by ASIS&T SIG-VIS (Visualization, Images, & Sound) and SIG-DL (Digital Libraries), has two purposes. First, it briefly discusses panelists' recent research projects on visual forms of knowledge production and documentation. Their approaches involve collecting visual forms of data or studying contexts in which information practices involve visual information formats or regimes of graphical information creation. Second, this panel draws attention to the importance of dialogic engagement and acknowledgement of the role of the embodied researcher as a critical methodological agent in generating research data related to visual practices. This central role of the researcher in visual research foregrounds ethical and epistemological aspects of their positionality. In particular, panelists will discuss the ethical challenges of information studies research that involves Indigenous knowledge communities. This panel will engage the audience in a discussion on the role played by a researcher's positionality in shaping qualitative information research methodologies and will discuss how the generation of visual forms of data and the study of visual information practices pose particular challenges for information studies research.



SIG-VIS – INVITED PRESENTER

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.

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

by Arjun Sabharwal

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

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 biodiversity” (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.



**In the Streets; On the Walls: Archiving, Activism, and the Urban Art Mapping Street Art Database (SIG-AH and SIG-VIS)
Thursday, December 9, 2021 (2:00 PM - 3:00 PM) (EST)**

Description

In the aftermath of George Floyd's murder in May 2020, Minneapolis, Saint Paul, and cities around the world were transformed by a massive proliferation of graffiti and street art, including words and images expressing a wide range of emotions, demands, and visions for the future. The Urban Art Mapping George Floyd and Anti-Racist Street Art database is a crowdsourced, activist archive of street art created in the context of the ongoing movement demanding social justice and equality. Whether in the form of commissioned murals or unsanctioned graffiti, art in the streets serves to represent the voices of the community, providing a counter-institutional narrative. This presentation focuses on the ways that artists and writers have used walls, posts, streets, and boards as sites for vernacular communicative acts and explores the goals, challenges, and applications of a crowd-sourced archive of protest art in the community.

A hand is shown balancing a stack of smooth, stacked stones on a beach. The stones are of various colors and textures, including dark grey, light grey, and reddish-brown with white veins. The background is a soft, out-of-focus blue sky and ocean. The hand is positioned at the top left, holding the top stone of the stack.

Future collaboration

- SIG-VIS will continue and extend its collaboration activities with SIG-AH, SIG-DL and SIG-USE and to Regional and Student Chapters, particularly on current awards and future collaboration targeting LIS PhD students and Early Career Researchers.
- Plan for webinars (intend to present 3 webinars in 2022-2023)
- Co-sponsor with other SIGs and social hours with other SIGs.
- Continue with the newsletter, of course.

SIG-VIS Officers 2021-2022

Co-chair: Zack Lischer-Katz - University of Arizona
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Co-chair: Jelina Haines - University of South Australia
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Secretary: Laura W. Dozal - University of Arizona, PhD student,
email: lwerthmann@email.arizona.edu

Webmaster: Arjun Sabharwal - The University of Toledo
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**WE NEED
YOU!!!**

**CALL FOR SIG-VIS OFFICERS
2022- 2023**