

**8:30am** | Doors Open, Coffee

**8:45am** | Opening Remarks and SIGCIS Awards

Laine Nooney | Assistant Professor | New York University | Vice-Chair of Meetings for SIGCIS  
Andrew L. Russell | Professor and Dean of Arts & Sciences | SUNY Polytechnic | Chair of SIGCIS

**9:00am-10:15am** | Keynote

Joanna Radin | Assistant Professor | Department of History | Yale University

**10:15am-10:30am** Break

**10:30am-12:30pm:** Session Block A

A.1 Panel | Remodeling Democracy: Codes and Software as Sites of Political Reimagining

The Politics of Spreadsheets: Bringing Visicalc to Tunisia

Kera Allen | Doctoral Candidate | Georgia Institute of Technology

Engineering a Platform: Constructing Interfaces, Users, Organizational Roles, and the Division of Labor  
Shreeharsh Kelkar | Lecturer | University of California, Berkeley

Embedded Dangers: The History of the Year 2000 Problem

Dylan Mulvin | Postdoctoral Researcher | Microsoft Research New England

'Nothing in the Middle': Escrowed Encryption, Crypto Anarchy, and the Colonization of the Future, 1988-2001

Gili Vidan | Doctoral Candidate | Harvard University

A.2 Panel | Digital/Analog Dilemmas

Edges: Thinking Through the Digital from Inside Your Laser Printer

Matthew Kirschenbaum | Professor of English | University of Maryland

Thinking Carbon Through Silicon: The Digital Revolution as a Conceptual Model for Bright Green Futures

Anne Pasek | Doctoral Candidate | New York University

Instruments as Computer: A Dialogue with Handmade Algorithmic Sound

Ezra Teboul | Doctoral Candidate | Rensselaer Polytechnic Institute

Algorithms in the Age of the Color Laser Printer

Mingyi Yu | Doctoral Student | Harvard University

A.3 Works-in-Progress

Works-in-Progress is a closed session for SIGCIS participants receiving feedback on pre-circulated written work from conference organizers and SIGCIS volunteers. If you would like to volunteer to provide constructive criticism for Works-in-Progress, please contact Joy Rankin [profjoy@msu.edu] and Con Diaz [condiaz@ucdavis.edu]

*Participants*

Race in the Cybernetic Fold

William Lockett | Doctoral Candidate | New York University

Touching Safety: Anti-rape Technologies and the Politics of Safety in US Higher Education

Kate Sim | Doctoral Candidate | Oxford Internet Institute

Technologies of Creativity: Psychology of Thinking and Computer-Based Education in the US and Soviet Union

Ekaterina Babintseva | Doctoral Candidate | University of Pennsylvania

Honey Trapped: Gender, Virtual Agents, and Information Gathering

Miriam Sweeney | Assistant Professor | University of Alabama

From Conveyor Lines to Robotic Systems: Flows, Linesickness, and Disruption in Laptop Production

Ling-Fei Lin | Postdoctoral Fellow | Nanyang Technological University

Jack and the Machine

David Schmüdde | Adjunct Professor | Stevens Institute of Technology

From Electronic Throats to Automatic Mouths: The Development of Software for Speech Synthesis

Sarah Bell | Assistant Professor | Michigan Tech University

**12:30pm-2pm:** Lunch Break

**2pm-3:45:** Session Block B

### B.1 Panel | The Body Computational

Z: Depth, Distance, and the Limits of Perception in Graphical Simulation

Jacob Gaboury | Assistant Professor | University of California, Berkeley

“The Total Patient”: Keeve Brodman and the Medical Data Screen

Andrew Lea | Doctoral Candidate | University of Oxford

Curb Cuts and Computers: Arguing for Accessibility in the 1980s

Elizabeth Petrick | Assistant Professor | New Jersey Institute of Technology

Theorizing the Body Model for Histories of Computer Graphics

Alana Staiti | Doctoral Candidate | Cornell University

### B.2 Panel | Evidence, Archives, Equipment

Punch Cards and Communities: Evidence from Surviving Objects

Peggy Aldrich Kidwell | Curator of Mathematics | National Museum of American History, Smithsonian Institution

Exploring Software on Time-sharing Vintage Computers at Living Computers: Museum and Labs

Cynde Moya | Collections Manager | Living Computers: Museum + Labs

Appraisal Talk in Web Archives

Ed Summers | Lead Developer and Doctoral Student | University of Maryland

Engineering a Research Agenda for the Study of a Computing Community: the ACM/IEEE Supercomputer Conference 1988-2018

Kevin Walsh | Systems Integration Engineer | University of California, San Diego

### B.3 | Computational Inequalities

The Problem with Bias: Allocative Versus Representational Harms in Machine Learning

Solon Barocas (presenting author) | Assistant Professor | Cornell University  
Co-authors: Kate Crawford (Microsoft Research), Aaron Shapiro (University of Pennsylvania), and Hanna Wallach (Microsoft Research)

Pokéquality and Public Space  
Daisy Charles | MA Candidate | School of the Art Institute of Chicago

Encryption for Everyone?  
Jillian Foley | Graduate Student | University of Chicago

Digital Surveillance in the Hypermasculine Workplace  
Karen Levy | Assistant Professor | Cornell University

**3:45-4pm:** Break

**4pm-5:45pm** Session Block C

Panel C.1 | Tabula Plena: Tabular Thinking and Computational Reasoning for Life, Death, Finance, and Bureaucracy

We Don't Do Body Counts, but We Use Tables to Count Our Dead  
Jacqueline Wernimont | Assistant Professor | Arizona State University

Ranks and Files: Secretarial Labor, Tabular Thinking, and the Bureaucratic Production of an International Mathematical Elite  
Michael Barany | Postdoctoral Fellow | Dartmouth College

Financing the Moon Shot: Computing the Space Economy, Disarmament, and the Globalization of I/O Analysis  
Theodora J Dryer | CHSTM Dissertation Fellow | University of California, San Diego

Michael Milken's Spreadsheet: Finance, Computing, and Supra-rationality in the Go-Go '80s  
William Deringer | Assistant Professor | Massachusetts Institute of Technology

Panel C.2 | Simulation, Automation, Communication

Creative Inequality: Seymour Papert and the Thinking Machine  
Morgan Ames | Research Fellow | University of California, Berkeley  
Nabeel Siddiqui | Doctoral Candidate | College of Williams and Mary

"The Computer that Printed Our W\*O\*L\*F"?: Representations of Computer Simulation and Modeling in the 1970s  
Kevin T. Baker | Doctoral Candidate | Northwestern University

Computerized Delphi: From Rationality to Anonymity  
Patrick Davison | Doctoral Candidate | New York University

The Differential Analyzer and the Sciences of Man  
Bernard Geoghegan | Senior Lecturer | King's College London

Panel C.3 | Computing as Conceptual and Material Practice

Alice and Bob: A History of Cryptography's Most Famous Couple  
Quinn DuPont (presenting author) | Assistant Professor | University of Washington  
Co-author: Alana Cattapan (University of Saskatchewan)

“Only the Initiates will have the Secrets Revealed”: Computational Chemists and the Openness of Scientific Software

Alexandre Hocquet | Professor | Université de Lorraine

Frederic Wieber | Assistant Professor | Université de Lorraine

Computerizing the Garage Workshop: CNC Machines as Consumer Goods

Katherine McFadden | Doctoral Candidate | University of South Carolina

Automating Soviet Design: The Case of ASPOS

Evangelos Kotsioris | Doctoral Candidate | Princeton University