

NITIN SAWHNEY
RESEARCHER IN HUMAN-CENTERED DESIGN & MULTI-MODAL INTERACTION

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EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA

Ph.D., MIT Program in Media Arts and Sciences, MIT Media Laboratory, May 2003

Dissertation Title: *Cooperative Innovation in the Commons: Rethinking Distributed Collaboration and Intellectual Property for Sustainable Design Innovation.*

Thesis Advisors: Alex (Sandy) Pentland, Bish Sanyal, Mitchel Resnick, and Mark S. Ackerman

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA

M.S., MIT Program in Media Arts and Sciences, MIT Media Laboratory, May 1998

Thesis Title: *Contextual Awareness, Messaging and Communication in Nomadic Audio Environments.*

Thesis Advisors: Chris Schmandt, Alex (Sandy) Pentland, Pattie Maes, and Hiroshi Ishii

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA

M.S., Information Design and Technology with Certificate in Management of Technology, May 1996

Thesis Title: *Authoring and Navigating Video in Space and Time: An Approach Towards Hypervideo.*

Thesis Advisors: Jay David Bolter, Terry Harpold, and Stuart Moulthrop

GEORGIA INSTITUTE OF TECHNOLOGY, Atlanta, GA

Bachelor of Industrial Engineering, School of Industrial and Systems Engineering, May 1993

ACADEMIC APPOINTMENTS

THE NEW SCHOOL, School of Media Studies, New York, NY

Faculty Fellow, Graduate Institute for Design, Ethnography and Social Thought (GIDEST), 2018 – 2019

Assistant Professor of Media Studies, 2011 – 2019

- Led numerous human-centered design and participatory action research projects in New York City, Moscow, Jerusalem, Guatemala and Nepal for civic engagement using qualitative research, co-design workshops, hackathons, sensory ethnography, participatory media, analysis and advocacy.
- Taught courses on qualitative and participatory research, human computer interaction, digital DIY learning, conflict and civic agency, urban tactics and design, participatory cultures, and media ethics.

MIT CENTER FOR CIVIC MEDIA, THE MEDIA LABORATORY, Cambridge, MA

Research Affiliate, 2011 – 2013

- Designed digital tools for aerial cartography and mobile storytelling among marginalized youth.

MIT PROGRAM IN ART, CULTURE AND TECHNOLOGY, Cambridge, MA

Lecturer and Research Fellow, 2009 – 2011

- Taught courses on Networked Cultures, Participatory Media & Tactical Design for Civic Agency.

MIT DEPT. OF URBAN STUDIES AND PLANNING AND THE CENTER FOR INTERNATIONAL STUDIES, Cambridge, MA

Visionary Fellow for the MIT Jerusalem 2050 Project, 2008 – 2009

PROFESSIONAL EXPERIENCE

DATAMINR, INC., NEW YORK, NY, JULY – NOVEMBER 2019

Principal Research Scientist, AI Group

- Leading efforts at the intersection of AI & Human Computer Interaction (HCI) at Dataminr, which discovers high-impact events and critical breaking information across news, public sector and commercial clients. Dataminr is pioneering groundbreaking technology for detecting, classifying, and determining the significance of public information in real time.

CYTEL, INC., Cambridge, MA, 2005 – 2009

Director, Commercialization of Research

- Managed product R&D for clinical informatics platforms to support randomization, statistical analysis and modeling of Phase II adaptive dose-finding clinical trials conducted by biopharmas, including HCI design/evaluation, agile software development practices, and regulatory compliance.

AKAZA RESEARCH, INC., Cambridge, MA, 2003 – 2005

Co-founder and Chief Scientific Officer

- Managed product R&D for genetic data repositories and *OpenClinica*, an open source software platform for biomedical research, funded by SBIR grants from the National Institutes of Health (NIH).

MIT MEDIA LABORATORY, Cambridge, MA, 2001 – 2003

Graduate Research Assistant with Prof. Alex (Sandy) Pentland, Human Dynamics

- Research on an open collaborative design platform for distributed product innovation.

MITSUBISHI ELECTRIC RESEARCH LABORATORY, Cambridge, MA, June – August 1999

Research Internship with Dr. Michael Casey, Cambridge Research Lab

- Research on machine learning and auditory analysis for mapping and synthesis of human voices, using LPC analysis, vocal tract modeling, and harmonic + noise coding techniques.

STARLAB, Brussels, Belgium, June – August 1998

Research Internship with Dr. Walter Van de Velde, Agents and Wearable Computing

- HCI research for simulation and mobile tools using speech-based UI and Intelligent Agents.

MIT MEDIA LABORATORY, Cambridge, MA, 1996 – 1998

Graduate Research Assistant with Dr. Chris Schmandt, Speech Interface

- HCI research and development of wearable audio computing device with speech-based UI.

FUJI-XEROX PALO-ALTO RESEARCH LABORATORIES, Palo-Alto, California, June – August 1996

Research Internship with Dr. Lynn Wilcox and Dr. Bill Schilit, Mobile Computing Research

- Design and HCI research for mobile audio capture, handwriting and gesture-recognition (patented).

GRAPHICS, VISUALIZATION AND USABILITY CENTER, GEORGIA TECH, Atlanta, Georgia, 1995 – 1996

Graduate Research Assistant with Prof. Gregory Abowd, Future Computing Environments

- Design and HCI research for mobile classroom tools for distributed multimedia learning.

MICHAEL C. CARLOS MUSEUM, EMORY UNIVERSITY, Atlanta, Georgia, 1993 – 1994

Research Consultant, Dept. of Education

- Design of image-based digital archiving tools and educational applications for schools.

MELITA INTERNATIONAL CORPORATION, Norcross, Georgia, 1992 – 1995

Software Developer, Advanced Product Development

- UX Design and prototyping for collaborative telephony and visual customer care software.

PROGRAMMING LANGUAGES: Perl, Tcl/Tk, C, Visual C++, Java, Javascript, Matlab, SQL, XML, Processing

PUBLICATIONS

BOOK CHAPTERS AND EDITED VOLUMES

Sawhney, N. Forthcoming, 2020. Invisible Lives, Visible Determination. In *Children, Youth and War*, Edited by Heidi Morrison, University of Georgia Press.

Sawhney, N. March 2019. Zona Intervenida: Performance as Memory, Transforming Contested Spaces. In *Rethinking Peace: Discourse, Memory, Translation, and Dialogue*, Edited by Jeremiah Alberg, Alex Hinton and Giorgio Shani, Rowman & Littlefield International.

Acevedo, A., Ramirez, J. P., and Sawhney, N. 2015. Guatemala Después: Rethinking the Past, Reimagining the Future. Printed exhibition catalogue with artist/curator statements (in English and Spanish). Ciudad de la Imaginación, Quetzaltenango, Guatemala, ISBN: 978-9929-668-03-4.

Hourcade, J.P., Sawhney, N. and Reardon, E. (Editors), 2013, June. Forward. In *Proceedings of the International Conference on Interaction Design and Children (IDC 2013)*, Association for Computing Machinery (ACM), New York City.

Sawhney, N. 2012. Making Sense of Participatory Video: Approaches for Participatory Content Analysis. (Chapter 11). *The Handbook of Participatory Video*, Edited by E-J Milne; Claudia Mitchell and Naydene de Lange, AltaMira Press.

Dougherty, A. and Sawhney, N. 2012. New Directions in Participatory Video: Emerging Digital Technologies and Practices. (Chapter 28). *The Handbook of Participatory Video*, Edited by E-J Milne; Claudia Mitchell and Naydene de Lange, AltaMira Press.

Coover R., Pat Badani, R.C., Caviezel, F., Marino, M., Sawhney, N. and Uricchio, W., 2012. Digital Technologies, Visual Research and the Non-Fiction Image. *Advances in Visual Methodology*, Edited by Sara Pink, Sage, p.191.

PEER REVIEWED JOURNAL PAPERS

Sawhney, N., de Klerk, C. and Malhotra, S., 2015. Civic Engagement through DIY Urbanism and Collective Networked Action. *Journal of Planning Practice & Research*, 30(3), *Special Issue: Using Social Media and Mobile Technologies to Foster Engagement and Self-Organization in Participatory Urban Planning and Neighbourhood Governance*, Taylor & Francis, pp.337-354.

Sawhney, N., Yacoub, R. and Norman, J., 2009. Jerusalem and Belfast: Envisioning Media Arts for Cultural Identity and Urban Renewal in Divided Cities. *Jerusalem Quarterly Journal, Institute for Jerusalem Studies*, 39, pp.62-80.

Sawhney, N., Griffith, S., Maguire, Y. and Prestero, T., 2002. ThinkCycle: Sharing Distributed Design Knowledge for Open Collaborative Design. *International Journal of Technologies for the Advancement of Knowledge and Learning (TechKnowLogia)*, 4(1), pp.49-53.

Sawhney, N., Wheeler, S. and Schmandt, C., 2001. Aware Community Portals: Shared Information Appliances for Transitional Spaces. *Journal of Personal and Ubiquitous Computing*, 5(1), pp.66-70.

Schmandt, C., Marmasse, N., Marti, S., Sawhney, N. and Wheeler, S., 2000. Everywhere Messaging. *IBM Systems Journal*, 39(3.4), pp.660-677.

Sawhney, N. and Schmandt, C., 2000. Nomadic Radio: Speech and Audio Interaction for Contextual Messaging in Nomadic Environments. *ACM Transactions on Computer-Human interaction (TOCHI)*, 7(3), pp.353-383.

Sawhney, N., Balcom, D. and Smith, I., 1997. Authoring and Navigating Video in Space and Time. *IEEE Multimedia Journal*, 4(4), pp.30-39.

PEER REVIEWED CONFERENCE PAPERS

Sawhney, N., Tran, A. Forthcoming 2020. Ecologies of Contestation in Participatory Design, the 16th ACM Participatory Design Conference (PDC 2020), June 15-19, 2020, Manizales, Columbia.

Sawhney, N., 2019. Cooperative Crisis Response among Emergency Responders & AI Systems. Position paper for workshop on better supporting workers in ML workplaces, the 22nd ACM Conference on Computer-Supported Cooperative Work and Social Computing, November 9-13, 2019, Austin, TX, USA.

Sawhney, N., Graver, C., and Breitkopf, E., 2018. Audio Journaling for Self-Reflection and Assessment among Teens in Participatory Media Programs. In *Proceedings of the 17th Interaction Design and Children Conference (IDC '18)*, Trondheim, Norway. ACM.

Sawhney, N., 2009, June. Voices Beyond Walls: The Role of Digital Storytelling for Empowering Marginalized Youth in Refugee Camps. In *Proceedings of the 8th International Conference on Interaction Design and Children* (pp. 302-305). ACM.

Sawhney, N., Prestero, T., Maguire, Y. and Griffith, S., 2008. ThinkCycle: Supporting Open Source Collaboration and Sustainable Engineering Design in Education. *Engineering Education in Sustainable Development (EESD)*, pp.24-25.

Sawhney, N. and Schmandt, C., 1999, May. Nomadic Radio: Scaleable and Contextual Notification for Wearable Audio Messaging. In *Proceedings of the SIGCHI conference on Human Factors in Computing Systems* (pp. 96-103). ACM.

Sawhney, N. and Schmandt, C., 1998, October. Speaking and Listening on the Run: Design for Wearable Audio Computing. In *Wearable Computers, 1998. Digest of Papers. Second International Symposium on* (pp. 108-115). IEEE.

Schilit, B.N., Wilcox, L.D. and Sawhney, N., 1997, March. Merging the Benefits of Paper Notebooks with the Power of Computers in Dynamite. In *CHI'97 Extended Abstracts on Human Factors in Computing Systems* (pp. 22-23). ACM.

Sawhney, N. and Schmandt, C., 1997, October. Nomadic Radio: A Spatialized Audio Environment for Wearable Computing. In *Wearable Computers, 1997. Digest of Papers, First International Symposium on* (pp. 171-172). IEEE.

Clarkson, B., Sawhney, N. and Pentland, A., 1998. Auditory Context Awareness via Wearable Computing. *Energy*, 400(600), p.20.

Wilcox, L.D., Schilit, B.N. and Sawhney, N., 1997, March. Dynamite: A Dynamically Organized Ink and Audio Notebook. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems* (pp. 186-193). ACM.

Abowd, G.D., Atkeson, C.G., Feinstein, A., Hmelo, C., Kooper, R., Long, S., Sawhney, N. and Tani, M., 1997, February. Teaching and Learning as Multimedia Authoring: The Classroom 2000 Project. In *Proceedings of the fourth ACM international conference on Multimedia* (pp. 187-198). ACM.

Sawhney, N. and Murphy, A., 1996, April. ESPACE 2: An Experimental Hyperaudio Environment. In *Conference Companion on Human Factors in Computing Systems* (pp. 105-106). ACM.

Sawhney, N., Balcom, D. and Smith, I., 1996, March. HyperCafe: Narrative and Aesthetic Properties of Hypervideo. In *Proceedings of the Seventh ACM Conference on Hypertext* (pp. 1-10). ACM.
Recipient of the First Douglas Engelbart Best Paper Award.

INVITED ARTICLES

Fernández, D. and Sawhney, N. 2016, June. Experimenting with Butoh-based Performance: An Artistic Inquiry into Translation, Memory and Dialogue. *Rethinking Peace Studies Conference on Translation, Memory and Dialogue*, Japan ICU University, Tokyo, Japan.

Malhotra, S., de Klerk, C., and Sawhney, N. 2015. Mobilizing Collective Urban Actions through MicroActs. In [Civic Media Project](#), MIT Press.

Sawhney, N. and Hill, R. 2014. [Children long for kites, not bombs, in Gaza skies](#). Op-ed with 7-minute video short and photography by Anne Paq/Activestills, *+972 Magazine*, August 26, 2014.

Sawhney, N., Dougherty, A., Shim, L., and Lopez, R. 2013. Aago for Mobile Media Narratives Created by Teens: Lessons from Co-Design, Prototyping and Evaluation. [Workshop on Enhancing Children's Voices with Media and Technology](#), *12th International Conference on Interaction Design and Children* (IDC '13). ACM, New York, NY, USA.

Sawhney, N., Abowd, G.D., Atkeson, C.G. 1996. Can Electronic Notebooks Enhance the Classroom? *Graphics, Visualization and Usability (GVU) Center Technical Report* [536], Georgia Tech.

Sawhney, N. and Balcom, D., 1996. HyperCafe and the "Hypervideo Engine": A Generalized Approach for Hypervideo Authoring and Navigation. *ACM SIGWEB Newsletter*, 5(2), p.29.

MEDIA PRODUCTION WORKS

[The Mirror with Wings](#), June 2016. Experimental Butoh mixed-media performance with short film, produced in collaboration with Daniel Fernández, Butoh dancers Yuri Nagaoka and Seisaku, calligrapher Ryo Honda, composer Ida Soraya Klint, and translator Veronika Melekhina, duration 90 minutes. Rethinking Peace Studies Conference, International Christian University, Tokyo, Japan.

[Sacred Soundwalks](#), April 2016. Transmedia website with sound recordings from 9 geo-located Soundwalks in Kathmandu, Nepal, produced in collaboration with writer Rabi Thapa, photographer Kevin Bubriski, and filmmaker Kesang Tseten. Commissioned as part of the *Kailash Cartographies* project supported by the India China Institute (ICI), The New School.

[Tawfiq's Reef](#) (Palestine/USA), October 2016. Producer (with Roger Hill), documentary short in Arabic with English subtitles, duration 6:30 minutes. Commissioned for the *Gaza from Within* film series supported by the Geneviève McMillan-Reba Stewart Foundation. Premiered at Boston Palestine Film Festival, Museum of Fine Arts, Boston.

[Return to Seifa Village](#) (Palestine/USA), October 2015. Producer (with Roger Hill and Anne Paq), documentary short in Arabic with English subtitles, duration 11 minutes. Commissioned for *Gaza from Within* film series supported by the Geneviève McMillan-Reba Stewart Foundation. Premiered at Boston Palestine Film Festival, Museum of Fine Arts, Boston.

[Zona Intervenida](#) (Guatemala/USA), July 2015. Director (with Bonifaz Díaz), feature-length documentary film in Spanish with English subtitles, duration 60 minutes. Premiered at Ciudad de la Imaginación, Quetzaltenango, Guatemala and screened at the NYU Hemispheric Institute, NY.

[*Flying Paper*](#) (Palestine/USA), May 2013. Director (with Roger Hill), award-winning feature-length documentary film in Arabic, subtitled in English, Spanish and French, duration 71 minutes (Director's Cut) and 52 minutes (Broadcast Cut). Distributed by Journeyman Pictures, U.K. Premiered at the London Palestine Film Festival, London, U.K.

[*Voices Beyond Walls*](#) (Palestine/USA), 2006 – 2012. Director and Producer, collection of over 70 short films (fiction and nonfiction) in Arabic, subtitled in English and French, duration 3-15 minutes, produced as part of participatory media and digital storytelling workshops conducted with Palestinian youth and children from refugee camps in the West Bank, Gaza and East Jerusalem. Premiered at numerous international children's film festivals and community-based screenings.

EXHIBITIONS AND CURATORIAL WORK

[*Soundscapes of Kora*](#). Sound installation based on soundwalks in Mt. Kailash, Tibet and Kathmandu, Nepal, supported by the India China Institute (ICI). *Kailash Cartographies Exhibition* curated by Sreshta Rit Premnath, Arnold and Sheila Aronson Gallery, Sheila C. Johnson Design Center, The New School, March 9 – April 3, 2017.

[*Guatemala Después*](#). Mixed-media exhibition and digital archive co-curated with Anabella Acevedo and Pablo José Ramirez, showcasing works by over 40 Guatemalan artists, scholars, and indigenous practitioners. Exhibitions and public programming hosted at The New School (April 9-29, 2015), Ciudad de la Imagen, Quetzaltenango (June 6 – July 3, 2015), and the Spanish Cultural Center, Guatemala City (September 2015).

[*#SEARCHUNDEROCCUPY*](#). Mixed-media exhibition co-curated with New School faculty, including public performances, teach-ins and hackathons, Arnold and Sheila Aronson Gallery, Sheila C. Johnson Design Center, The New School, March 1 – April 1, 2012.

Re-imagining Gaza. Photography Exhibitions hosted at the MIT Rotch Library, November 1, 2010 – January 28, 2011, Al Mat'haf Cultural Center in Gaza (August 2010), and Bethlehem (November 2010).

[*Youth Visions of Jerusalem*](#). Photography Exhibition, Al-Ma'mal Foundation for Contemporary Art, Jerusalem (July 22 – August 15, 2009), French Cultural Center, Ramallah (August 16 – September 15, 2009), Bethlehem Peace Center (October 1-15, 2009) and the Armory in Somerville (August – Dec 2009).

INVITED LECTURES AND PRESENTATIONS

CONFERENCE PRESENTATIONS

Cooperative Crisis Response among Emergency Responders & AI Systems. Workshop on better supporting workers in ML workplaces, *the 22nd ACM Conference on Computer-Supported Cooperative Work and Social Computing*, November 9-13, 2019, Austin, TX, USA.

Democratizing Data: Grassroots Strategies to Advance Human Rights, Panel on Pushing Boundaries: Data as Art and Evidence, Bernstein Institute for Human Rights, Vanderbilt Hall, NYU School of Law, April 17-18, 2019.

Design Ethnography & Multi-Perspective Data: Making Meaningful Design Choices, American Anthropological Association (AAA), 117th Annual Meeting, Google Building 1055, 1055 Joaquin Rd, Mountain View, CA, November 15th 2018, 3:00 - 5:00 PM.

Audio Journaling for Self-Reflection and Assessment among Teens in Participatory Media Programs. International Conference on Interaction Design and Children (IDC '18), Trondheim, Norway, June 19-22, 2018.

Technology and Contemporary Forms of Expression, ACC Forum: Making the Case for Cultural Exchange, Asian Cultural Council, John Brademas Center of New York University, New York, June 12-14, 2017.

Walking through Sacred Landscapes: Encountering Soundscapes in Kailash, Mountains and Sacred Landscapes Conference, International Society for the Study of Religion, Nature & Culture (ISSRNC), The New School, New York City, April 20-23, 2017.

Zona Intervenida: Performance as Memory, Transforming Contested Spaces, Rethinking Peace Studies Conference on Translation, Memory and Dialogue, at the Japan ICU University, Tokyo, Japan, June 2-4, 2016.

Experimenting with Butoh-based Performance: An Artistic Inquiry into Translation, Memory and Dialogue. Co-presented with Daniel Fernández, Rethinking Peace Studies Conference on Translation, Memory and Dialogue, at the Japan ICU University, Tokyo, Japan, June 2-4, 2016.

Reflecting on Representation, Silences and the Limits of the Visible at the Living Truth in the Americas Symposium, Rutgers Center for the Study of Genocide and Human Rights, Newark, NJ, April 8th, 2016.

Translating Memory from Exhibition to Digital Collection: Reflections from Guatemala Después, Conference on Translating Memory and Remembrance across the Disciplines, co-presented with Nelesi Rodriguez, SUNY New Paltz, October 8-9, 2015.

Examining Historical Memory of Contested Spaces through Curatorial Research and Participatory Filmmaking, Rethinking Peace Studies II: Memory, Japan ICU Foundation, New York City, March 27-28, 2015.

Building Documentary Cultures with Urban Youth and Their Communities in Neoliberal Times, Conference on Codes & Modes, The Character of Documentary Culture, Hunter College, New York City, November 7-9, 2014.

Rethinking Mobile Ubiquity and Participatory Media in Contested Spaces: Mobile Phones, Video Drones and Urban Projections. Conference on Ubiquity, Mobility, Globality: Charting Directions in Mobile Phone Studies, Annenberg School for Communication, University of Pennsylvania, November 6-7, 2014.

Collective (Dis)engagement, What Now? Collaboration and Collectivity Symposium, Art in General in collaboration with the Vera List Center for Art and Politics, April 4-5, 2014.

Opening Keynote: Engaged Making, Play and Participatory Media for Creative Resilience among Palestinian Youth, Palestinian Youth: The Forms of Everyday Engagements, Birzeit University, Ramallah, Palestine, November 18-19, 2013.

Participatory Media and Creative Resilience among Adolescents in Contested Spaces. Media Trends 2013, Children and the Media: Challenging Intersections, Webster University, Geneva, Switzerland, April 8-10, 2013.

Palestine and Cuba: Resistance and Revolution (Under Repression), The Revolution Recodified: Digital Culture and the Public Sphere in Cuba. Symposium, The New School and New York University, March 15-17, 2013.

Youth Development and Creative Resilience: Experiences from the Occupied Palestinian Territories. Envision Arabia Summit, Arab Development Initiative (ADI), New York University, New York City, October 8, 2012.

Civic Media and Creative Youth Activism in the Middle East, Visual Activism and Social Justice in the Visual Sociology Thematic Group (TG05), The Second ISA Forum of Sociology on Social Justice and Democratization, Buenos Aires, Argentina, August 1-4, 2012.

Closing Keynote: International Conference on Interaction Design and Children (IDC 2012), University of Bremen, Germany, June 15, 2012.

Media and Resilience in Conflict, Harnessing C4D innovations: Transforming the lives of marginalized girls through ICTs, 56th Commission on the Status of Women. UNICEF House, New York, March 2, 2012.

Opening Keynote: Remixing Culture and Social Change. The Remixed Media Festival, DUMBO, Brooklyn, October 22, 2011.

Youth DIY Cultures and Participatory Learning in Conflict: Lessons from Digital Storytelling and Kite Cultures in the Palestinian Territories. Mobility Shifts: An International Future of Learning Summit, The New School, New York, October 13, 2011.

Media and Resilience in Conflict, International Conference on Children and War: Past and Present, University of Salzburg, Austria, September 30 – October 2, 2010.

Voices Beyond Walls: Digital Storytelling & Media Programs with Palestinian Youth, World Bank Conference on Conflict and Fragile States, Innovation Fair, Cape Town, South Africa, April 12-15, 2010.

Youth & Media: Identity, Expression & Activism, Symposium on Information Evolution in the Arab World, Georgetown University, Washington DC, March 22-23, 2010.

Collective Representations in Transitional Territories: Experiences with Marginalized Youth in Jerusalem, Arts in the One World Conference, Brown University, Providence, March 19-20, 2010.

PUBLIC PRESENTATIONS

Zona Intervenida: Performance as Memory, Transforming Contested Spaces, Rethinking Peace: Discourse, Memory, Translation, and Dialogue, Book Launch Panel & Reception, The New School, 65 West 11th Street, New York, May 8, 2019.

When Experimental Storytelling Provokes Social Inquiry, with New School faculty Erica Fae, Abou Farman, Melanie Crean, and Caveh Zadeh, Sundance Film Festival, Park City, Utah, January 22, 2017.

Introduction and Talk Back for film premieres on the Mai Masri Retrospective and Kamal Aljafari's Recollection, Boston Palestine Film Festival (BPFF), Boston Museum of Fine Arts, October 15-16, 2016.

Sacred Soundwalks in Kathmandu, Kailash Cartographies Symposium, The India China Institute, The New School and ICIMOD, Kathmandu, Nepal, March 19-26, 2016.

Film Preview and Talk: Zona Intervenida // Colectivo Andén, Independent Curators International (ICI), ICI Curatorial Hub, New York City, October 14, 2014.

Premiere of Flying Paper film and briefing on the current situation in Gaza, United Nations Division for Palestinian Rights, UN Headquarters, New York, May 21, 2014 (Webcast Live). Invited panelist with Mr. Robert Turner, Director of Operations for the United Nations Relief Works Agency (UNRWA) in the Gaza Strip, Ms. Feda Abdelhady-Nasser, Ambassador, Deputy Permanent Observer of the State of Palestine to the United Nations, and Ms. Maria Rubiales de Chamorro, Permanent Representative of Nicaragua to the UN and Vice-Chair of the Committee on the Exercise of the Inalienable Rights of the Palestinian People.

Invisible Borders and Participatory Documentaries in Contested Spaces. MIT Open Documentary Lab, MIT Center for Civic Media, Massachusetts Institute of Technology, October 28, 2013.

Tactical Design and Activism in New York City and Moscow, MIT Center for Civic Media, MIT Media Lab, Massachusetts Institute of Technology, November 2, 2012.

Making Sense of Occupy: Visualizing Citizen Media and Data in New York City, The Strelka Institute, Moscow, July 19, 2012.

Flying Paper and Voices Beyond Walls: Understanding participatory cultures among youth in conflict through documentary film. Documentary, Ethnography, and Art Workshop, Department of Anthropology, Temple University, April 19, 2012.

Participatory DIY Mapping as Tactical Intervention in Contested Spaces, Geospectives Seminar Series, Dept. of Geography & McGill School of Environment, McGill University, Nov. 24, 2011.

Media and Resilience: Creative DIY Cultures and Civic Agency among Marginalized Youth, MIT Center for Civic Media, MIT Media Lab, Massachusetts Institute of Technology, January 11, 2011.

Re-imagining Gaza: Sensory Explorations and Participatory Media. Talk and Film Screening, MIT Program in Art, Culture and Technology, Cambridge, October 29, 2010.

Art as Intervention in Contested Spaces: Participatory Media and Urban Renewal, Graduate School of Design, Harvard University, October 21, 2010.

Creative Empowerment of Marginalized Youth in Refugee Camps, Cultural Agents Initiative and Harvard Humanitarian Initiative, Harvard University, Cambridge, October 26, 2009.

Interaction Design in the Real World: Mediating Technology/Arts Interventions in the Everyday Social Spaces of the City, TEC-Lab, University of Lugano, Switzerland, September 16, 2009.

INVITED LECTURES & SEMINARS

Conducting HCI Research in the Wild: Distributed Cognition and Situational Awareness in Human Centered Design. Talk hosted for a special seminar series at the Department of Computer Science in Aalto University, Helsinki, Finland, May 27, 2019.

Contestational Design: How Agonism Transforms Participatory Design, Graduate Institute for Design, Ethnography and Social Thought (GIDEST), The New School, University Center, Room 411, 63 Fifth Avenue, New York, Friday, April 12, 2019.

Sensory Ethnography and Participatory Research: Rethinking Human-Centered Design. WeWork, 115 W 18th Street, New York, November 30, 2018.

Soundwalking as Sensory Ethnography in Sacred Landscapes, invited guest lecture for course “Philosophy and Images”, hosted by Chiara Bottici, Philosophy Department, New School for Social Research, The New School, April 11, 2017.

Walking through Sacred Landscapes: Encountering Soundscapes in Kailash, invited guest lecture for course “Not to Scale: On Sacred Mountains”, hosted by Mark Larrimore, Eugene Lang College of Liberal Arts, The New School, February 7, 2017.

Curating and the Community: Experiences from the Guatemala Después Exhibition and Digital Collection, invited guest lecture co-presented with Nelesi Rodriguez for course “Museums and Community”, hosted by Glenn Wharton, Museum Studies Department, New York University (NYU), November 16, 2016.

TRIPLE PLAY: Three films on Kashmir, film screening and panel discussion on Kashmir with award-winning Indian filmmaker Sarah Singh, The India China Institute, The New School, October 27, 2016.

Walking through Sacred Landscapes, Kailash Sacred Landscapes Expedition and Seminars, The India China Institute, The New School and ICIMOD, Kathmandu, Nepal and Mt. Kailash, Tibet, July 12 – August 8, 2016.

Guatemala Después Digital Collection, Special Closed-Door Think Tank event hosted by the Independent Curators International (ICI), ICI Curatorial Hub, New York City, July 7, 2016.

Disaster Capitalism (film screening) and conversation with acclaimed Australian journalist Antony Loewenstein, School of Media Studies, The New School, October 5, 2015.

Creative Inquiry of Invisible Borders and Contested Sites through Civic Media and Performance-based Films, Arts and Humanities in Climate Change, The India China Institute, Shimla, India, July 30 - August 4, 2015.

Guatemala Después: Rethinking Curatorial Practices in Contested Spaces, School of Media Studies Brown Bag Research Seminar, The New School, May 5, 2015.

Guatemala Después: Rethinking Curatorial Practices in Contested Spaces, Parsons Curatorial Design Research Lab (CDRL), The New School, March 13, 2015.

Celebrating Contemporary Guatemalan Art: Conversations with Artists & Curators, Invited Panelist, Independent Curators International (ICI), The New School, March 6, 2015.

Hackathons and DIY Urbanism, invited guest lecture for course "Creating Knowledge through Research Methods", hosted by Jilly Traganou, Theories of Urban Practice, The New School, October 6, 2014.

Guatemala Después: Creative Inquiry through Art, Media and Performance, School of Media Studies Brown Bag Research Seminar, The New School, May 6, 2014.

Contested Identities and Participatory Research: A case study with Palestinian youth in Jerusalem, co-presented with Emily Breikopf, Psychology Speaker Series, New School for Social Research, March 5, 2014.
The Time That Remains (film screening) and conversation with acclaimed Palestinian filmmaker Elia Suleiman, Documentary Studies Program, School of Media Studies, The New School, April 24, 2014.

Open Cooperative Models for Online Peer Review, Faculty Symposium on What is Peer Review?, Parsons The New School for Design, The New School, February 28, 2014.

Invisible Borders: Rethinking Moscow through Participatory Urban Research, School of Media Studies Brown Bag Research Seminar, The New School, October 15, 2013.

Hackathons and MikroActs: Tactical Design & Participatory Research in NYC and Moscow, School of Media Studies Brown Bag Research Seminar, The New School, December 11, 2012.

OccupyData Hackathons: Visualizing Political Activism, invited guest lecture co-presented with Christo de Klerk for course "Politics of Visual Display and Representation", hosted by Olga Kopenkina, Media Culture and Communication (MCC), New York University (NYU), April 18, 2012.

Conducting Participatory Media Research with At-Risk Youth, School of Media Studies Brown Bag Research Seminar, The New School, February 12, 2012.

Media and Resilience in Conflict: Participatory Media and Pilot Study with Palestinian Adolescents in West Bank & Gaza, Psychology Speaker Series, New School for Social Research, November 30, 2011.

FELLOWSHIPS, AWARDS AND GRANTS

FELLOWSHIPS

Graduate Institute for Design, Ethnography and Social Thought (GIDEST) Faculty Fellowship for Research and Creative Practice, Andrew W. Mellon Foundation and The New School, 2018 – 2019.

Martin Fellow for Sustainability, Martin Family Foundation and the MIT Laboratory for Energy and Environment, 2002 – 2003.

Media Lab Asia Fellowship, Govt. of India and MIT Media Laboratory, 2001 – 2002.

British Telecom Fellowship, British Telecom and MIT Media Laboratory, 1998 – 2000.

AWARDS

Nominations for Distinguished University Teaching Award, The New School, 2014 and 2017.

Best Documentary (Feature-Length) Award for *Flying Paper*, 7th International Children’s Film Festival (ICFF), Lucknow, India, April 2016.

Best Youth Feature for *Flying Paper*, Harlem International Film Festival, New York, USA, May 2014.

Jury Prize Winner, Human Images Competition for *Flying Paper*, Baghdad International Film Festival, Institute of Fine Arts, Baghdad, Iraq, October 7, 2013.

Award of Excellence, Best Documentary Feature for *Flying Paper* at International Film Festival for Peace, Inspiration and Equality, Jakarta, Indonesia, September 12, 2013.

Best Documentary (Foreign) Award for *Flying Paper* at The Indie Gathering International Film Festival, Hudson, Ohio, USA, August 18, 2013.

Dedication to Activism through the Arts Award by the American-Arab Anti-Discrimination Committee, May 31, 2008, for the Boston Palestine Film Festival held at the Museum of Fine Arts, Harvard Film Archive and Coolidge Corner Theater in 2007.

First Douglas Engelbart Best Paper Award for the paper “HyperCafe: Narrative and Aesthetic Properties of Hypertext”, ACM SIGWEB Hypertext Conference, March 1996.

PATENTS

Wilcox, L.D., Schilit, W.N., Sawhney, N., Sullivan, J.W. and Bickmore, T.W., Xerox Corporation and Fuji Xerox Co., Ltd., 1999. *System for capturing and retrieving audio data and corresponding hand-written notes*. U.S. Patent 5,970,455.

GRANTS

OBJECT AMERICA with Selena Kimball, Pascal Glissmann, and Margot Bouman, Observational Practices Lab, Parsons, Cross School Based-Funds, The New School, May 2017 – June 2018, \$4,000 awarded.

Research projects on *Digital Collection Platforms*, *Embodied Borders*, and *Youth Media Programs*. Student Research Assistant Fund, Faculty Research Support Initiative, Office of the Provost, The New School, \$5,100 awarded each academic year from 2012-2018.

Paid Academic Leave, Office of the Provost, The New School, Spring 2016.

Participatory Media Engagement and Learning with Arab-American Youth in Brooklyn with Melissa Friedling, SPE Civic Engagement Fund, The New School, July 1, 2014 – June 30, 2015, \$10,000 awarded.

Revitalizing NYC Neighborhoods through Public Innovation Places: Participatory Urban Investigations, Cooperative Design and Policy Alternatives with Eduardo Staszowski and Lara Penin (Parsons), Melanie Crean (Parsons), Vyjayanthi Rao (Anthropology) and Nidhi Srinivas (Milano) in partnership with *No Longer Empty*. Fund for Collaborative Innovation, The New School Collaboratory, September 2013 – 2015, \$20,000 awarded.

Gaza from Within: Photography and Theater amidst War, Production of documentary shorts with Roger Hill, Geneviève McMillan-Reba Stewart Foundation, May 1, 2015, \$10,000 awarded.

Engage Media Lab: A hub for participatory media learning and creative practice in NYC, with Peter Lucas, SPE Civic Engagement Fund, The New School, July 1, 2013 – June 30, 2014, \$8,750 awarded.

No Man's Land: Hearing the voices of young men in East Jerusalem with Prof. Warren Spielberg (NSSR), Faculty Research Fund, The New School, July 1, 2013 – June 30, 2014, \$9,000 awarded.

Supporting DIY Maker Cultures at The New School with Peter Asaro, Katherine Moriwaki, Otto von Busch and Jane Pirone, Mutual Mentoring Grant, The New School, 2013 – 2014, \$5,000 awarded.

Flying Paper film post-production with Roger Hill, Electronic Media and Film Finishing Funds Grant by the Arts Council of the Southern Finger Lakes and New York State, June 20, 2012, \$2,500 awarded.

Mobile Storytelling for Youth Media Makers, Link Grant from the New York Community Trust and Hive NYC Learning Network, Partners: People's Production House and Eyebeam Center for Art and Technology, New York, NY, October 2011 – September 2012, \$50,000 awarded.

Flying Paper film production with Roger Hill, All Roads Film Project Seed Grant, National Geographic, May 2011, \$9,500 awarded.

Art as Intervention – Creative Responses Course for MIT Undergraduate Experience in Service Learning through the Arts with Ute Meta Bauer for curricula development project in the MIT Program in Art, Culture and Technology (ACT), D'Arbelloff Fund, Massachusetts Institute of Technology, December 2010, \$40,000 awarded.

Reimagining Gaza: Youth Media Digital Storytelling Project and Photography Exhibition, Geneviève McMillan-Reba Stewart Foundation, May 2010, \$10,000 awarded.

Art as Intervention: Creative Responses to Conflict, Crisis & Trauma with Ute Meta Bauer for research project in the MIT Program in Art, Culture and Technology (ACT), The Humanities, Arts, and Social Sciences (HASS), Massachusetts Institute of Technology, May 7, 2010, \$15,000 awarded.

Youth Visions of Jerusalem, Digital storytelling program with youth through Voices Beyond Walls in partnership with the Woman and Child Centers in Shu'fat Refugee Camp, the African Community Youth Center, and the Al-Ma'mal Foundation for Contemporary Art in Jerusalem. The Jerusalem Fund, Jerusalem Unit, The President's Office, Palestinian Authority, Ramallah, West Bank, June 2009, \$30,000 awarded.

Boston Palestine Film Festival, production, publicity and hosting of film festival program, Geneviève McMillan-Reba Stewart Foundation, 2007 – 2017, \$10,000 awarded each year.

OpenClinica: Open Source Platform for Clinical Data Management and Research, Small Business Innovation and Research (SBIR) Phase I Research Grant, National Institutes of Health (NIH), January 2004 - February 2006, \$200,000 awarded. Grant subsequently extended for Phase II Commercialization (3-years \$1.5 Million) from 2006 – 2009. Funds awarded to Akaza Research, Cambridge, MA.

Voices Beyond Walls: Digital Storytelling in Palestinian Refugee Camps, capacity-building trainings and participatory media workshops conducted at the Yafa community center in Balata camp, Lajee Center in

Aida Camp, Shufat Youth Social Center in Shufat Camp, and The Freedom Theater in Jenin camp, Palestine, The Hoping Foundation, U.K., 2008, \$25,000 awarded.

Bahlam fi Falistine (Dreaming in Palestine): Digital Storytelling in Palestinian Refugee Camps, capacity-building and participatory media workshops conducted at Yafa community center in Balata camp and The Freedom Theater in Jenin camp, Palestine, The Hoping Foundation, U.K., 2006 – 2007, \$20,000 awarded.

TEACHING EXPERIENCE

The New School

Co-Lab: Urban Media: Tactics and Performance, Spring 2018 and 2019.

Participatory Media Research, Spring and Fall 2012 – 2019.

Art, Media and Conflict: Embodied Borders, Fall 2017.

Media Ethics, seminar course offering for M.S. Media Management, Fall 2016 and 2017.

Co-Lab: Designing Engaged Learning through Making and Play, Co-taught with Lisa Grocott (Parsons), Fall 2013 and with Pauline Gourlet (visiting research fellow), Spring 2017.

Living Collections: Memory and Performance, Fall 2015 and 2016.

Curatorial Design and Media Practices: Guatemala Después, Spring 2015.

Art, Media and Conflict: Guatemala Post-Genocide, Fall 2014.

Co-Lab: Urban Tactics and Media Ecologies in Harlem, co-taught with Melanie Crean (Parsons), Spring 2014.

Interventionist Aesthetics, co-taught with Melanie Crean (Parsons), Spring 2013.

Civic Media and Tactical Design in Contested Spaces, Spring 2012.

Creative DIY Cultures and Participatory Learning, Fall 2011 and 2012.

Massachusetts Institute of Technology

Tactical Design for Cooperative Agency and Disruption, MIT Program in Art, Culture and Technology (ACT), Spring 2011.

Contested Spaces, Conflict and Crisis, MIT Program in Art, Culture and Technology (ACT), Fall 2010.

Design that Matters, The MIT Media Lab, Fall 2001.

THESIS SUPERVISION AND ACADEMIC ADVISING

M.S. Thesis Advising (School of Media Studies, The New School)

Jennifer Kaiser, “Designing Engaged Learning Tools in Middle School Settings”, Fall 2019.

Mallory Brennan, “Resonant Dreaming: Mediated Explorations of Dreams”, Spring 2018.

Chris Rogy, “Radio Sammaggi: An Ethnographic Study on Transformation in Participatory Media Practices”, Spring 2018.

Sara Godoy Brito, “Out Objects: In the memory of the voices we have lost”, Spring 2017.

Daniel Kim, “Disrupting the Culture of Silence: A Korean American oral history project”, Spring 2014.

Nathanael Bassett, “The Conscientious Hacker: An ethnography of identity and community among hackathons”, Spring 2014. *Distinguished Thesis Award, May 22, 2014.*

Eugene Paramoer, “Cinema as a Weapon for Social Change: Reflections on Unfinished, In- Process, Rehearsal Cinema”, Spring 2013.

Independent Study (School of Media Studies, The New School)

Agnese Cebere, “Moving with Technology: The Virtual Body and its Perceptive Faculties”, Spring 2018.

Daryl Meador, “Youth Embodiment on the Border”, Spring 2015.

Lauren Brigitte Gianni, “Shades of Grey: Women’s Identity & Sexuality in the Middle East by Women Photographers from the Region”, Fall 2013.

Heather Strycharz, “Counter Craft: Connecting through Handmade Resistance”, Spring 2012.

Tom Tenney, “Art Stars: Performance Pirates at the Turn of the Century”, Fall 2011.

TEACHING AND SOCIAL ENGAGEMENT IN THE PUBLIC DOMAIN

[Engage Media Lab](#): facilitated training workshops, seminars and public programs supporting students at The New School in co-designing, conducting and assessing participatory media-based learning with marginalized youth and communities in New York City and internationally in Brazil and Jerusalem. In 2013, EML partnered with the Eyebeam Art+Technology Center in Chelsea and the Washington Irving High School. From 2014-2016, EML partnered with the Arab American Family Support Center (AAFSC) in Brooklyn to engage newly immigrated youth from Yemen, with participatory media workshops.

[Guatemala Después](#): Workshops conducted with artists, curators, and indigenous media practitioners at the Ciudad de la Imaginación in Quetzaltenango and Centro Cultural de España in Guatemala City, to develop thematic concerns and an open call soliciting artistic works for exhibitions on historic memory, conflict and genocide in Guatemala, June-July 2014.

Participatory Research and Contested Identities among Palestinian Youth: a research-training workshop conducted with graduate psychology students at The Center for the Child, Al Quds University, leading to pilot research and a participatory-media program engaging 12-15 Palestinian youth at the Burj Al Laq Laq community center in East Jerusalem, January 2014.

[Invisible Borders](#): workshop with urban design and architecture students at the Strelka Institute for Media, Architecture and Design, Moscow, Russia, July 2013.

[Zona Intervenida](#): workshops using film and performance-based research with local and international artists, dancers, writers, archivists and filmmakers at Centro Intercultural, Quetzaltenango, Guatemala, June 2013.

[Urban Tactics and Media Ecologies](#): workshop hosted by Strelka Institute for Media, Architecture and Design, Moscow, Russia, July 2012.

[OccupyDataNYC](#): Hackathons on visualizing socio-political data and tactics of urban protest, conducted with students, community activists, and researchers at The New School, NYU, and the CUNY Graduate Center, New York City, 2011-2012.

SERVICE TO THE PROFESSION

PEER REVIEWS

International Conference on Interaction Design and Children (IDC), Technical Co-Chair, 2019-2020.
Computer Human Interaction (CHI) Conference, Invited Peer Reviewer, 2015, 2017, and 2019.
International Conference on Interaction Design and Children (IDC), Invited Peer Reviewer, 2018.
ACM SIGCHI Conference on Designing Interactive Systems (DIS), Invited Peer Reviewer, 2018.
The Council for Social Sciences and the Humanities of the Netherlands Organisation for Scientific Research (NWO), Invited Grant Reviewer, 2018.
International Journal of Child-Computer Interaction, Associate Editor, 2014 – 2020.
International Journal of Communication, Invited Peer Reviewer, 2017.
Journal of Big Data and Society, Special Issue on Data Associations in Global Law & Policy, Invited Peer Reviewer, 2017.
Book Proposal: “Community Filmmaking: Diversity, Innovation, Practice and Place”, Routledge Press, Invited Peer Reviewer, 2015.
Journal of Video Ethnography, Invited Peer Reviewer, 2015.
National Science Center (NSC), Poland, Invited Grant Reviewer, 2015.
International Journal of Cultural Studies, Sage, Invited Peer Reviewer, 2014.
International Conference on Interaction Design and Children (IDC), Program Review Committee, 2013.
Social Sciences and Humanities Research Council (SSHRC) of Canada, Invited Grant Reviewer, 2013.
Development by Design Conference, Co-chair, Program Review Committee, 2001 and 2002.

Hypertext and Hypermedia Conference, Program Review Committee, 1997.

ORGANIZING CONFERENCES AND FESTIVALS

Interaction Design and Children (IDC 2013), co-chair and member of organizing committee for the 12th International Conference on Interaction Design and Children at The New School in partnership with Sesame Workshop, June 2013. The 5-day event had record attendance (over 400 participants) and the highest-ever paper submissions to date.

Boston Palestine Film Festival (BPFF), co-founder and member of organizing committee (2006-2009) in partnership with the Boston Museum of Fine Arts (MFA), Harvard Film Archive and Coolidge Corner Theater. With its 10-year anniversary in 2016, it is considered one of the largest and most prestigious Palestine film festivals in the world.

Development by Design, founder and program co-chair of International Conferences on Open Collaborative Design for Sustainable Innovation, held in cooperation with ACM SIGCHI, AGS, ICSID, MIT Media Lab and academic institutions in India. Hosted at the Massachusetts Institute of Technology, Cambridge, USA, July 2001 and the Srishti Institute of Art, Design, and Technology, Bangalore, India, July 2002. Developed an open access peer-review platform for the conferences.

UNIVERSITY SERVICE AT THE NEW SCHOOL

Faculty Council (Standing, Schools for Public Engagement), Co-Chair and Member, 2016 – 2018.
Part-time Faculty Development Fund (Standing, Schools for Public Engagement), Member, 2013 – 2018.
Engage Media Lab (School of Media Studies), Co-Director (with Prof. Peter Lucas in GPIA), 2013 – 2018.
Communication Design Search Committee (University-Wide), Member, 2013 – 2014.
Co-Existence Committee (Standing, University-Wide), Member, 2012 – 2014.
Mutual Mentoring Group on DIY Learning (Standing, University-Wide), Member, 2012 – 2013.
Civic Engagement and Social Innovation Committee (Standing, Schools for Public Engagement), Member, 2012 – 2013.
Education and Learning Working Group (Standing, University-Wide), Member, 2012 – 2013.
Distributed Learning Initiative (School of Media Studies), Director, 2011 – 2013.

PROFESSIONAL AFFILIATIONS

Associate Editor, International Journal of Child Computer Interaction, 2014 – 2020.
Member, Organizing Board, ACM Conferences on Interaction Design and Children, 2013 – 2020.
Member, Association for Computing Machinery (ACM), 2011 – 2013 and 2018 – 2020.
Member, International Sociological Association (ISA), 2011 – 2013.