Suguru Ishizaki

Department of English, Carnegie Mellon University
5000 Forbes Avenue, Pittsburgh, PA 15213
Phone: 412.268.4103, Email: suguru@cmu.edu

Education

1996	**Massachusetts Institute of Technology** Ph.D., Media Laboratory /Media Arts and Sciences Program Dissertation title: *Typographic Performance: Continuous Design Solutions as Emergent Behaviors of Active Agent;* Committee: Muriel Cooper, William Mitchell, Mitchel Resnick, Ron MacNeil	*–Cambridge, MA*
1989	**Massachusetts Institute of Technology** Master of Science in Visual Studies, Media Laboratory	*–Cambridge, MA*
1986	**University of Tsukuba, College of Art and Design** Bachelor of Art and Design	*–Tsukuba, MA*

Academic Appointments

2015–Present	**Professor of English** (tenured) Department of English, Carnegie Mellon University	*–Pittsburgh, PA*
2007–Present	**Courtesy Appointment** School of Design, Carnegie Mellon University	*–Pittsburgh, PA*
2005–2015	**Associate Professor of English** (tenured) Department of English, Carnegie Mellon University	*–Pittsburgh, PA*
2000–2001	**Associate Professor of Communication Design** School of Design, Carnegie Mellon University	*–Pittsburgh, PA*
1996–2000	**Assistant Professor of Communication Design** School of Design, Carnegie Mellon University	*–Pittsburgh, PA*

Awards

2012	**The IEEE The Rudolph J. Joenk, Jr. Award for Best Paper in the *IEEE Transactions on Professional Communication in 2011***
2009	**The IEEE James M. Lufkin Award for Best Paper, *IEEE International Professional Communication Conference 2009 Proceedings***
1994	**The Best Poster Paper Award** (one of two), ***IS&T and SID's 2nd Color Imaging Conference***

Publications

Books

Al-Malki, A., Kaufer, D., Ishizaki, S., & Dreher, K. (2012). *Arab Women in Arab News: Old Stereotypes and New Media*. London, UK: Bloomsbury.

Kaufer, D., Ishizaki, S., Butler, B., & Collins, J. (2004). *The Power of Words: Language and the Priming of Audience, Unveiling the Speaker and Writer's Hidden Craft*. Mahwah, NJ: Lawrence Erlbaum.

Ishizaki, S. (2003). *Improvisational Design: Continuous, Responsive Digital Design*. Cambridge, MA: MIT Press.

Refereed Journal Articles

Beigman K. B., Ramineni, C., Kaufer, D., Yeoh, P., Ishizaki, S. (2019). Advancing the Validity Argument for Standardized Writing Tests using Quantitative Rhetorical Analysis. *Language Testing*, 36(1), 125-144.

Helberg, A., Poznahovska, A., Ishizaki, S., Kaufer, D., Werner, N., Wetzel, D. (2018) Teaching textual awareness with DocuScope: Using corpus-driven tools and reflection to support students' written decision-making. *Assessing Writing*, 38 (October), 40-45

Karatsolis, A., Ishizaki,.S. Kaufer, M. Rohrbach, S., & Lovett, M. (2016). Supporting Technical Professionals' Metacognitive Development in Technical Communication through Contrasting Rhetorical Problem Solving. *Technical Communication Quarterly*, 25(4), 244-259.

Kaufer, D., Ishiaki, S., & Cai, X. (2016). Analyzing the Language of Citation across Discipline and Experience Levels: An Automated Dictionary Approach. *Journal of Writing Research*, 7(3), 453-483.

Oh, Y., Ishizaki, S., Gross, M., & Do, E. Y.-L. (2012). A theoretical framework of design critiquing in architecture studios. *Design Studies*, 33(4), 302-325.

Ishizaki, S. (2011). Assessing typographic knowledge using timed tests. *IEEE Transaction on Professional Communication*, 54(2), 105-121.

Oh, Y., Gross, M., Ishizaki, S., & Do, E. Y.-L. (2011). Constraint-based design critic for flat-pack furniture design. *Research and Practice in Technology Enhanced Learning*, 5(2), 97-122.

Atkinson, N., Kaufer, D., & Ishizaki, S. (2008). Presence and global presence in comparative genre of self presentation. *Rhetorical Society Quarterly*, 38(4), 357-384.

Kaufer, D., & Ishizaki, S. (2006). A corpus study of canned letters: Mining the latent rhetorical proficiencies marketed to writers. *IEEE Transactions on Professional Communication*, 49(3), 254-266.

Collins, J., Kaufer, D., Vlachos, P., Butler, B., & Ishizaki, S. (2004). Detecting collaborations in text comparing the authors' rhetorical language choices in the federalist papers. *Computers and Humanities*, 38(1), 15-36.

Kaufer, D., Ishizaki, S., & Vlachos, P. (2004). Teaching language awareness in rhetorical choice: using iText and visualization in classroom genre assignments. *Journal of Business and Technical Communication*, 18(3), 361-402.

Chapters in Edited Volumes

Beigman Klebanov, B., Kaufer, D., Yeoh, P., Ishizaki, S., Holtzman, S. (2016). Argumentative writing in assessment and instruction: A comparative perspective. In *Genre in Discourse and Cognition: Concepts, Modes, and Methods*. Stukker, N., Spooren, W., & Steen, G. (eds.), Mouton de Gruyter.

Ishizaki, S. (2013). A practical guide to classroom assessment in visual communication design (pp.197-218). In E. Brumberger & K. Northcut (Eds.), *Designing Texts: Teaching Visual Communication*. Amityville, NY: Baywood.

Ishizaki, S., Rohrbach, S., & Scott, L. (2013). Enhancing a technical and professional writing course with an online design tutorial (pp. 141-154) In G. Pullman & B. Gu (Eds.), *Designing Web-Based Applications for 21st-Century writing classrooms*. Amityville, NY: Baywood.

Ishizaki, S., & Kaufer, D. (2011). DocuScope: Computer-aided rhetorical analysis. In P. McCarthy & C. Boonthum (Eds.), *Applied Natural Language Processing and Content Analysis: Advances in Identification, Investigation, and Resolution* (pp. 276-297). Hershey, PA: IGI Global.

Hu, Y., Kaufer, D., & Ishizaki, S. (2011). Genre and Instinct. In *Computing with Instinct* (pp. 58-81). New York, NY: Springer.

Kaufer, D., Al-Malki, A. & Ishizai, S. (2007). Training writing teachers in the implicit knowledge underlying writing assignments. In N. Kassabgy & A. Elshimi (Eds.), *Sustaining Excellence in Communicating Across the Curriculum: Cross-Institutional Experiences Best Practices* (pp. 111-127). Newcastle, UK: Cambridge Scholars Publishing.

Kaufer, D., Geisler, C., Vlachos, P., & Ishizaki, S. (2006). Mining textual knowledge for writing education and research. In L. v. Waes, M. Leijten, & C. Neuwirth (Eds.), *Writing and Digital Media* (pp. 115-130). Oxford, UK: Elsevier Science.

Kaufer, D., Geisler, C., Ishizaki, S., & Vlachos, P. (2005). Textual genre analysis and identification. In Y. Cai (Ed.), Ambient Intelligence for Scientific Discovery (pp. 129-151). New York, NY: Springer.

Ishizaki, S. (1998). Adjusting simultaneous contrast effect for dynamic information display. In R. Eschback & K. Braun (Eds.), *Recent Progress in Color Science* (pp. 68-71). Springfield, VA: The Society for Imaging Science and Technology (Originally published in *Proceedings of IS&T and SID's 2nd Color Imaging Conference*, November 1994.)

Ishizaki, S. (1997). Multiagent model of dynamic design: Visualization as an emergent behavior of active design agent. In M. N. Huhns & M. P. Singh (Eds.), *Readings in Agents* (pp. 172-180). San Francisco, CA: Morgan Kaufmann. (Originally published in *Proceedings of ACM SIGCHI '96*, April 1996.)

Refereed Conference Papers

† published in Japanese

Werner, N. Ishizaki, S., Wetzel, D. Kaufer, D. (2017) Making the Invisible Visible in Writing Classrooms: An Approach to Increasing Textual Awareness using Computer-Aided Rhetorical Analysis. *2017 Proceedings of American Society for Engineering Education Annual Conference*, Columbus, OH.

Kaufer, D., and Ishizaki, S., (2016) Corpus Methods and Textual Visualization To Enhance Learning in Core Writing Courses. Educational Data Mining (EDM 16). Raleigh, NC.

Ishizaki, S. (2016). Computer-Aided Rhetorical Analysis of Crowdfunding Pitches. *Proceedings of International Professional Communication Conference (ProComm 2016),* Austin, TX.

Ishiaki, S., Rohrbach, S., Werner, N. (2015). Integrated System of Learning Components for Technical Communication: A Report on a Student Survey. *Proceedings of IEEE International Conference on Professional Communication (ProComm 2015),* Limerick, Ireland.

Ishiaki, S., Rohrbach, S., Kaufer, M., & Karatsolis, A. (2015). Practikon: an online learning environment for supporting the development of rhetorical skills. *Proceedings of IEEE International Conference on Professional Communication (ProComm 2015),* Limerick, Ireland.

Werner, N., Ishiaki, S., & Rohrbach, S. (2015). "Please See the Pop-Up Comments": An Assessment of Engineering Students' Use of Instructor Feedback and an Online Writing Tutorial in Draft and Revision Strategies. *Proceedings of IEEE International Conference on Professional Communication (ProComm 2015),* LImerick, Ireland.

Karatsolis, A., Ishiaki, S., Kaufer, M., Rohrbach, S., & Lovett, M. (2015). Practikon: a mobile-first practice/feedback application to support the development of communication skills in technical subjects. *Proceedings of 2015 American Society for Engineering Education Annual Conference*, Seattle.

Rohrbach, S., Ishizaki, S., Werner, N., Miller, J. (2014) Designing an Engaging Digital Learning Tool: A Report on a Speed Dating Study and Its Impact on the Design of the Tool. *2014 IEEE International Professional Communication Conference* (IPCC 2014). Pittsburgh, October 2014.

Ishizaki, S. (2013, July). A strategic theory of invention in multimodal professional communication. *Proceedings of the 2013 IEEE International Professional Communication Conference* (IPCC 2013). (7 pages) doi: 10.1109/IPCC.2013.6623926

Werner, N., Ishizaki, S., Rohrbach, S., Miller, J., Dzombak, D. (2013, July) Assessing writing style in an engineering projects course through a dynamic data collection method. *Proceedings of the 2013 IEEE International Professional Communication Conference* (IPCC 2013). (7 pages) doi: 10.1109/IPCC.2013.6623905

Rohrbach, S., Ishizaki, S., Werner, N., Miller, J., Dzombak, D. (2013, July) Improving students' professional communication skills through an integrated learning system. *Proceedings of the 2013 IEEE International Professional Communication Conference* (IPCC 2013). (6 pages) doi:10.1109/IPCC.2013.6623906

Karatsolis, A., Ishizaki, S., Lovett, M., & Rohrbach, S. (2013, July). A methodology for understanding global communication practices. Proceedings of the 2013 *IEEE International Conference on Professional Communication* (IPCC 2013). (3 pages) doi: 10.1109/IPCC.2013.6623939

Karatsolis A., Ishizaki, I., Lovett, M., Rohrbach, S., Kaufer, M. (2013, July) Understanding the relationship between rhetorically-based learning modules and communication skills improvement in a global technical writing course. *Proceedings of the 2013 IEEE International Professional Communication Conference* (IPCC 2013). (6 pages) doi: 10.1109/IPCC.2013.6623923

Ishizaki, S. (2011, October). A model of aesthetic experience, in *Proceedings of the 2011 IEEE International Conference on Professional Communication* (IPCC 2011). doi: 10.1109/IPCC.2011.6087208

Ishizaki, S. (2011, October). Analyzing the interplay between visual-verbal rhetorical strategies in multimodal documents, in *Proceedings of the 2011 IEEE International Conference on Professional Communication* (IPCC 2011). (4 pages) doi: 10.1109/IPCC.2011.6087193

Ishizaki, S. (2011, May). Communication Design Research for Social Change. *Pre-Conference Proceedings: Doctoral Education in Design Conference—Practice, Knowledge, Vision*. (pp.131-135). Hong Kong.

Ishizaki, S. (2010, July). Service design and technical/professional communication. *Proceedings of the 2010 IEEE International Conference on Professional Communication* (IPCC 2010). (5 pages) doi: 10.1109/IPCC.2010.5529806

Ishizaki, S. (2009, July). Toward a unified theory of visual-verbal strategies in communication design. *Proceedings of the 2009 IEEE International Professional Communication Conference* (IPCC 2009). (9 pages) doi: 10.1109/IPCC.2009.5208706

Oh, Y., Gross, M. D., Ishizaki, S., & Ellen Do, Y.-L. (2009, November/December). Constraint-based Design Critic for Flat-pack Furniture Design. *Proceedings of the 17th International Conference of Computers in Education* (ICCE). (pp.19-26). Hong Kong, China.

Ishizaki, S., Rohrbach, S., Tzucker, J., & Clarkson, M. (2008, July). Teaching visual design without Instructors. *Proceedings of the 2008 IEEE International Conference on Professional Communication* (IPCC 2008). (9 pages) Retrieved from http://ieeexplore.ieee.org

Ishizaki, S., & Ueda, N. (1998, March). Personal theory of information landscapes. *Vision Plus 4 Conference Monograph*, Pittsburgh, PA.

Ishizaki, S. (1997, July). Kinetic typography: Expressive writing beyond the smileys. *Vision Plus 3 Conference Monograph*, Schwarzenberg, Austria.

Ishizaki, S. (1997, July). Continuous design solutions as emergent behaviors of active agents. *Vision Plus 3 Conference Monograph,* Schwarzenberg, Austria.

Ford, S., Forlizzi, J., & Ishizaki, S. (1997, April). Kinetic typography: Time-based issues in the presentation of text. *ACM SIGCHI '97 Extended Abstracts Proceedings*. (pp.269-280). Atlanta, GA.

Lokuge, I., & Ishizaki, S. (1995, May). GeoSpace: An interactive visualization system for exploring complex information spaces. *Proceedings of the ACM SIGCHI '95*. (pp.409-414). Denver, CO.

Ishizaki, S. (1995, May). Color adaptive graphics: What you see in your color palette isn't what you get. *SIGCHI '95 Companion*. (pp.300-301). Denver, CO.

Ishizaki, S., & Lokuge, I. (1995, February). Intelligent interactive dynamic maps. *Proceedings of the AutoCarto 12*. (pp.41-48). Charlotte, NC.

Small, D., Ishizaki, S., & Cooper, M. (1994, April). Typographic space. ACM *SIGCHI '94 Conference Video Program*. (pp.437-438). Boston.

Momosaki, Y., Ueda, N., & Ishizaki, S. (1991). Using the formative evaluation methodology for interactive media development. *Proceedings of the 3rd Joint Conference on Educational Technology*, Osaka, Japan.†

Ishizaki, S., Kobayashi, H., & Furukata, M. (1991). Adjusting simultaneous contrast effect for dynamic information display. *Proceedings of the 8th Joint Conference on Color Technology*, Tokyo, Japan.†

Other Publications † published in Japanese

Boettger, R. & Ishizaki S. (2018). Introduction to the Special Issue: Data-Driven Approaches to Research and Teaching in Professional and Technical Communication. (Eds. Boettger, R. Ishizaki, S.) *IEEE Transactions on Professional Communication*. 61 (4).

Ishiaki, S. (2012). Review of Semiology of Graphics by Jacque Bertin. *Design Issues*, *27*(4), 108-109.

Ishizaki, S. (2003). Kosei and MIT. *Journal of Science of Design: Special Issue*, Spring 2003. 26-29.†

Ishizaki, S. (2000, June). Everybody is a designer; every thing is a computer. *Proceedings of Inter Media Workshop Summary Note*, Dornbirn, Austria.

Ishizaki, S., & Ishizaki, K. (1999). Information Design Series IV: Information Design & Future. *Design News*, *245*, 18-21.†

Ishizaki, S., & Ishizaki, K. (1998). Information Design Series III: Information Design & Research. *Design News*, *244*, 58-61.†

Ishizaki, S., & Ishizaki, K. (1998). Information Design Series II: Information Design and Practice. *Design News*, *243*, 54-56.†

Ishizaki, S., & Ishizaki, K. (1998). Information Design Series I: Information Design and Education. *Design News*, *242*, 22-25.†

Ishizaki, S. (1998). Information Design at the Stage. *Design News*, 241, 10-13. †

Ishizaki, S. (1998). On kinetic typography. *Statements: American Center for Design Journal*, *12*(1), 7-9.

Ishizaki, S., & Ishizaki, K. (1998). Thoughts on Recent Typography. *InterCommunications, 27*, 40-42.†

Ishiaki, S. (1995). New Landscape in Design. *Kenchiku Bunka, 50*(586), 83. †

Ishizaki, S. (1991). Exploring the richness of the computer-based communication. *By-LINE, 0*.†

Ishizaki, S. (1990, June). Towards personalization and participation: Design of electronic communication. *Kagaku Asahi—Special Issue on Media Technology*, 17-19.†

Ishizaki, S. (1990, October). Toward the design of electronic media. *Murata Computer Future Series*.†

Ishizaki, S. (1990). SIGGRAPH '90 hypermedia exhibition report. *PXEL, 98*, 119-122.†

Ishizaki, S. (1990). Teaching computers to design. *AXIS, 34*, 100-105.†

Ishizaki, S. (1990, October). Expanding personal potential using intelligent communication media. *Uchino PC*.†

Ishizaki, S. (1990, August). Designing electronic media for individuals. *Nikkei Design*, 106-107.†

Ishizaki, S. (1989, September). An approach to designing interactive multimedia. *PIXEL*, 126-130.†

Refereed Conference Presentations & Panels

Ishizaki, S., Werner, N., & Dreher, K. (2018). Extended Abstract: Making the Invisible Visible—Helping Students Develop Their Textual Awareness through Technology-Enhanced Learning Tools. *Proceedings of IEEE International Professional Communication Conference* (ProComm 2018), Toronto, Canada.

Kaufer, K., Cotos, E., Ishizaki, S. (2017) Linguistic Realizations that Prime Interactive Experiences in Scientific Writing. 2017 American Association for Applied Linguistics Conference (AAAL). Portland, OR.

Werner, N. Ishizaki, S., Wetzel, D. Kaufer, D. (2017) Seeing is Learning: A Corpus-Rhetorical Analysis Tool for Helping Students Observe Genre Differences and See Their Own Composing Decisions. 2017 Association of Teachers of Technical Writing Conference (ATTW), Portland, OR.

Ishizaki, S. (2016). Computer-Aided Rhetorical Analysis with Supercomputing. Keystone Digital Humanities Conference 2016, Pittsburgh, PA.

Ishiaki, S. (2015). Computer-aided Analysis of Rhetorical Strategies. 4th Annual Symposium on Communicating Complex Information (SCCI).

Ishiaki, S., & Rohrbach, S. (2015, March). Students' Perception of Value vs. Self-assessment of Communication Skills. Proceedings of 18th ATTW Conference, Tampa.

Karatsolis A., Ishizaki, S., Lovett, M. and Rohrbach, S., (2014) Practikon: Teaching Technical Communication Through Rhetorical Problem-Solving. the 13th International Writing Across the Curriculum Conference. University of Minnesota in Minneapolis, MN, June 12-14, 2014.

Karatsolis, A., Ishizaki, S., Lovett, M., and Rohrbach, S., (2013). Improving Communication Skills of Engineering and Technology Professionals through an Integrated Mastery Model. Modern Language Association special ATTW session, Boston MA, January 2013.

Ishizaki, S. (2011). Analyzing the interplay between visual-verbal rhetorical strategies in multimodal documents. Association of Teachers of Technical Writing Conference (ATTW), Atlanta, GA.

Ishizaki, S. (2010). Engineering students' perception of giftedness and expectedness regarding their communication skills. IEEE International Conference on Professional Communication (IPCC), Enschede, the Netherlands.

Ishizaki, S., & Rohrbach, S. (2010). Enhancing a technical and professional writing course with an online design tutorial. Association of Teachers of Technical Writing Conference (ATTW), Louisville, KY.

Ishizaki, S., & Kaufer, D. (2009). Toward Recognizing Reader Experience. Instinctive Computing Workshop, Pittsburgh, PA.

Ishizaki, S., & Rohrbach, S. (2009). Assessing visual communication skills. IEEE International Conference on Professional Communication (IPCC), Montreal, QC.

Ishizaki, S. (2008). Computerized theoretical analysis of L2 freshman placement essays. the 30th Annual Conference of the Association of Applied Linguistics (AAAL), Washington D.C.

Atkinson, N., Kaufer, D., & Ishizaki, S. (2008). Presence and the comparative analysis of genres. the 2008 Promise of Reason Conference, Eugene, OR.

Ishizaki, S. (2008). Dynamic media in design pedagogy (Panel moderator). Messaging Media 2: Graphic design in the age of dynamic media—AIGA Design Education Conference, Boston, MA.

Ishizaki, S. & Kaufer, D. (2007). A model of rhetorical design strategies. the 29th Annual Conference of the Association of Applied Linguistics (AAAL), Costa Mesa, CA.

Rohrbach, S., Ishizaki, S., & Tzucker, J. (2007). Designing an online learning environment: toward the development of a theoretical framework for the pedagogy of visual communication design. Intent/Content—AIGA National Design Education Conference, Nashville, TN.

Rohrbach, S., & Ishizaki, S. (2007). How do we teach and learn visual communication design? Toward the development of an interdisciplinary research community. School of Thoughts—An AIGA design education community conference, Pasadena, CA.

Grants

Jan 2019–Dec 2019	**Sidecars to Teach Writing: Creating a TEL Lens for Research Proposal Writing** Macaulay Foundation (Senior Personnel)
June 2018–May2021	**Teaching Writing via a "Sidecar" Model** A.W. Mellon Foundation (Senior Personnel)
May 2017–Present	**TEL Environment for Strengthening Cohesion in Writing** ProSEED/Simon Initiative Seed Grant. (PI, with Co-PIs David Kaufer, Danielle Wetzel, Necia Werner)
May 2017–Present	**TEL Environment for Strengthening Cohesion in Writing** ProSEED/Berkman Faculty Development Fund. (Co-PI with David Kaufer)
Jun 2016–Aug 2017	**Improving Writing Instruction in CMU's Core Writing Courses** ProSEED/Simon Initiative Seed Grant. (Co-PI with Danelle Wetzel, Necia Werner, David Kaufer, and Xizhen Cai).
Jun 2016–Aug2017	**Using Design-based Research Methods to Understand Students' Intrinsic Motivations for Engaging with TEL Tools that Teach Communication Skills.** ProSEED/Simon Initiative Seed Grant. (PI, with Co-PIs Stacie Rohrbach and Necia Werner).

Jul 2012–Jun 2014	**Improving Students' Professional Communication Skills by Employing an Integrated System of Learning Tools and Methods** National Science Foundation (PI, with Co-PIs Stacie Rohrbach, Necia Werner, David Dzombak).
Jan 2012–Dec 2013	**Making design research matter: Toward socially-responsible design research** AIGA.
Apr 2012–Mar 2014	**Improving Communication Skills of Engineering and Technology Professional through an Integrated Mastery Model** Qatar National Research Fund, (Lead-PI with Andreas Karatsolis, and other PIs: Stacie Rohrbach, Marsha Lovett)
Sep 2011–Aug 2012	**Visualizing English Print from Caxton to the Atlantic World, c. 1470 to 1800*** A. W. Mellon. (Consultant. with PI: Robin Valenza, University of Wisconsin-Madison; Co-PIs: Michael Witmore Director, Folger Shakespeare Library; Michael Gleicher, University of Wisconsin-Madison; Jonathan Hope, Reader in Literary Linguistics, Strathclyde University, UK.)
2007 Fall	**Visual Design Skills Assessment Study** Berkman Faculty Development Fund. Carnegie Mellon.
Dec 1999–Jun 2001	**Communicating Driving Safety to Teens through the Internet** PennDOT (part 2 with Jodi Forlizzi).
Oct 1999–Sep 2000	**Kinetic Typography Project** Intel Corporation.
Jun 1999–Mar 2000	**Kids and Diabetes CDROM Design Projects–with Dick Buchanan** DBAZA Corporation.
Apr 1999–Apr 1998	**Kinetic Typography** Faculty Development Fund, Carnegie Mellon.
Jun 1998–May 1999	**Internet Commerce Project-–with Dan Boyarski and Chris Pacione** NCR. Direct Cost:
Sep 1996–May 1997	**Dynamic Publishing** FutureTense, Inc.
May 1996–Apr 1997	**Kinetic Typography Project** Intel Corporation.
Apr 1996–Apr 1997	**Kinetic Typography** Faculty Development Fund. Carnegie Mellon.

Invited Lectures, Seminars & Workshops

2013	**Science of Giving** **(with Junlei Li)** Workshop at the 2013 Nonprofit Summit	—*Pittsburgh, PA*
2012	**Assessing Typographic Knowledge Using Timed Tests.** Plenary Presentation, 2012 IEEE International Professional Communication Conference.	—*Orlando, FL*
2009	**The DocuScope: A Tool for Tracking Micro Rhetorical Acts Across Large Text Corpora** **(with David Kaufer, Michael Witmore)** Language, Politics, and Literature: What digitally assisted text analysis can(not) do for you. Conference at Northeastern University, September, 2009.	–*Evanston, IL*
2009	**Computational Thinking & Communication Design** Center for Computational Thinking Seminar Series, Carnegie Mellon University	–*Pittsburgh, PA*
	Sustainability and Interaction Design Department of Interaction Design, Tama Art University	–*Tokyo, Japan*
	Suguru Ishizaki—Research between 1989 and 2009 "Platform Design for Emerging 'People's Art" Project, Tama Art University	–*Tokyo, Japan*

2008	**Technical Communication: A Three-Week Course for Infosys Faculty** **Principles of Effective Visual Communication Unit** Infosys Technologies	*–Mysore, India*
	Discovering the Message through Design Exploration (workshop with Kerry Ishizaki) Office of Child Development, University of Pittsburgh	*–Pittsburgh, PA*
2007	**Improvisational Design** Department of Interaction Design, Tama Art University	*–Tokyo, Japan*
	Workshop on Design Research "Platform Design for Emerging 'People's Art" Project, Tama Art University	*–Tokyo, Japan*
	Workshop on Design Methodology Design Juku, Keio University	*–Yokohama, Japan*
	Panelist, Rethinking Design Education–Toward the 21st Century Japanese Society of Science of Design Spring Conference	*–Hamamatsu, Japan*
2006	**Constructing Experience through Visual-Verbal Design:** **Toward the Communication Design Education for the Masses** Information Design Public Lecture, Tama Art University	*–Tokyo, Japan*
1999	**Improvisational Design** Living Surfaces Conference, American Center for Design	*–Cambridge, MA*
1999	**Panel discussion on Design & Future** FutureWorkshop, Inter Media, Fachhochshule Vorarlberg GesmbH	*–Dornbirn, Austria*
1999	**On Kinetic Typography** NTT InterCommunication Center	*–Tokyo, Japan*
1999	**Panel discussion on Design** News in the Future Consortium, MIT Media Laboratory	*–Cambridge, MA*
1997	**Design as Emergent Behaviors of Active Agents** Living Surfaces Conference, American Center for Design	*–Chicago, IL*
1997	**Design and Time Dimension** MdN Symposium at Seybold Tokyo 1997	*–Makuhari, Japan*
1997	**Kinetic Typography** The New Media Workshop: International Interactive Communication Society	*–Pittsburgh, PA*
1997	**Kinetic Design Group** Digital Communication Design Forum	*–Tokyo, Japan*
1996	**Kinetic Information Display** XIV symposium International de Communication, ITESM	*–Monterrey Mexico*
1995	**Typography in Time and Space** (joint lecture with David Small, MIT Media Lab.) ATypeI conference	*–Barcelona, Spain*
1994	**Typographic performance** New frontiers: Graphic design in Emerging Technologies, The 3rd AIGA Boston Technology Symposium.	*–Cambridge, MA*
1991	**Animation as a tool for everyday personal communication** Multimedia '93 conference, Education and technology section.	*–Tokyo, Japan*
1991	**Multimedia and design** PIXEL Magazine 100 issues Memorial Lecture series.	*–Tokyo, Japan*
1991	**Electronic media and visual communication design** AXIS Workshop Series, AXIS.	*–Tokyo, Japan*
1991	**Animation as a tool for everyday personal communication** Page '91, Japan Association of Printing Technology.	*–Tokyo, Japan*

1990	**Electronic media and visual communication design** Japan Association of Fuzzy Engineering, Special Interest group of Humanity and Fuzzy Logic.	*–Tokyo, Japan*
1990	**Multimedia and design** CG Club Lecture Series.	*–Tokyo, Japan*
1990	**Multimedia and design** MITANI Computer Square Lecture Series.	*–Makuhari, Japan*
1990	**Multimedia and research** Osaka City Life Time Learning Assess Committee.	*–Osaka, Japan*

Exhibitions & Collections

June 2016	**"Information Landscaped" (1994). Permanent Collection. The Museum of Modern Art, New York.** (with Muriel Cooper, David Small, Earl Rennison, Robert Silvers, Lisa Strausfeld, Jeffrey Ventrella, Yin Yin Wong. It was originally created in 1994, and addd to MoMA's permanent collection in 2016.)	*–New York, NY*
Jun–Jul 1999	**"Media Add, Symbols Subtract" Exhibition (invited)** NTT InterCommunications Center	*–Tokyo, Japan*
Apr–May 1999	**Co-Curator, Typography that Moves (You) (invited)** Hewlett Gallery, Carnegie Mellon University (With Dan Boyarski, Karen Moyer, Kerry Ishizaki)	*–Pittsburgh, PA*
Oct 1986–Feb 1987	**"Untitled," Computer Graphics and Silkscreen (refereed)** **"Untitled," Computer Graphics and Silkscreen (invited)** Computer as Art Exhibition, Museum of Science and Technology	*–Dallas, TX*
Aug 1986	**"Untitled", Computer graphics and Silkscreen (refereed)** Siggraph '86, Art Show, Dallas Convention Center	*–Dallas, TX*

Courses Taught

*Graduate level, or cross listed, **Qatar Campus

Department of English

76391/791	Document & Information Design (formerly called Document Design)	F19*, F18, F17, F16, F15, S15*, Summer 14**, S14*, F13, S13*, S12*, F11, S11*, S10*, F10, Summer10**, S09*, F08, S08*, F07, S07*, F06, S06*, F05, S05*
76489/889	Advanced Document & Information Design	S18*, S17*, S16*
76388/788	Topics in Digital Humanities: Coding for Humanists	F19*, F18*, F16*
76428/728	Visual-Verbal Communication	F17*, F15, Summer 14**, F13*, Summer 10**, S09*, S07*
76481/781	Writing for Multimedia	F11*, F10*, F09*, F07,
76780	Graduate Design Seminar II: Topics in Communication Design	S14*, S13*, S12*, S11*, S10*
76487/887	Online Information Design / Web Design	F08*, S08*, S07*, S06*, F05, S05
76799	Professional Writing Project	F09*

School of Design

51403/401	Kinetic Information Design	S96, F96,
51423	Advanced Typography: CD Studio III	F00
51499	Senior Studio	F99, F98
51701	Interaction Design Graduate Seminar II	S01*, S00*, S99*, S97*, S96*
51741	Introduction to Computing in Design	F00*, F99*, F98*, F96*
51742	Design Technology Research	S97*, S99*, S00*, S01
n/a	MDes Graduate thesis preparation seminar	F96*, S97*, F98*, S99*

Students Supervised

Ph.D. Committees (Member)

Jessie Golding, Wildlife Biology Program, University of Montana

Eric Hambury, Department of English (Ph.D. 2015)

Matt Zebrowski, Department of English (Ph.D. 2015)

Miso Kim, School of Design, Carnegie Mellon (Ph.D. 2015)

Sora, Key, School of Architecture, Carnegie Mellon (Ph.D. 2012)

Soojin Jun, School of Design, Carnegie Mellon (Ph.D. 2011)

Yoenjoo Oh, School of Architecture, Carnegie Mellon (Ph.D. 2010)

Joonwhan Lee Human Computer Interaction Institute, Carnegie Mellon (Ph.D. 2008)

Jodi Forlizzi, Human Computer Interaction Institute, Carnegie Mellon (Ph.D. 2007)

Gilbert Wilkes, Department of English, Carnegie Mellon (Ph.D. 2003)

David Small, Media Arts and Sciences Program / Media Laboratory, MIT (Ph.D. 1999)

Doctoral Qualifying Exam Committee

Susan Hagan, Department of English (1999)

Thesis Advisor, Master of Design Students

* co-advisor/secondary advisor

Jodi Forlizzi (1997)
Shannon Ford (1997)
Michelle Bacigalupi (1997)
William Thomas (1997)
Quita Stiteler (1997)
Millicent Cooley (1997)
Timothy Carryer (1997)
Hyunjung Kim (1999)
Christa Houlahan (1999)
Richard Hoobler (1999)
Joonhwan Lee (2000)
Soojin Jun (2000)
Alyce Hoggan (2000)
Edward Hirsch (2000)
Grace Tai (2000)
Jay Yi (2000)
Woojung Kim (2001)
Ye-Jeong Kim (2001)
Patrick Hogan (2001)
Esther Ahn (2007)
Sofia Mirza* (2007)
Matthew Forrest (2008)
Sook Yeon Kim (2008)
Jeff Tzucker* (2008)
Melissa Clarkson (2008)
Leanne Libert (2009)
Marina Posniak* (2009)
Paul Robare (2009)
Phil Robinson (2009)
Sarah Phares (2010)
James Liu (2010)
Yash Vora (2010)
Lauren Chapman* (2011)
Chelsey Delaney (2011)
Norman Lau (2011)
Barboa Batokva (2011)
Jessica Schafer (2012)
Jessamyn Miller (2012)
Scott Sykora* (2012)
Erica Gatts (2012)
Joy Chen (2014)
Stella Zubeck (2014)
Chia-Fang Lue (2014)
Wei Zhou (2014)
Vinita Israni* (2015)

Independent Studies, Directed Research, Honors Thesis

Undergraduate Students

Harry Watson (BFA Design, 1996 Spring)
Jeffrey Bricker (BFA Design, 1996 Spring)
Eugine Carroll (BFA Design, 1996 Spring)
Derek Wahila (BFA Design, 1996 Spring)
Paul Burke (BFA Design, 1997 Spring)
Tara Fallaux (BFA Design, 1997 Spring)
Eva Lee (BFA Design, 1997 Spring)
Edward Pak (BFA Design, 1997 Spring)
Lily Pang (BFA Design, 1997 Spring)
Judith Park (BFA Design, 1997 Spring)
Christina Rüegg (BFA Design, 1997 Spring)
Victor Sie (BFA Design, 1997 Spring)
Dana Sinder (BFA Design, 1997 Spring)
Jean Yuan (BFA Design, 1997 Spring)
Matthew Tragesser (BFA Design, 1999 Spring)
Simona Lo (BFA Design, 1999 Spring)
Claudia Oliva (BFA Design, 1999 Spring)
Eric Wilcox (BFA Design, 1999 Summer)
Hee-bok Lee (BFA Design, 1999 Spring)
Stacy Mitchell (BFA Design, 2000 Spring)
Yvonne Chan (BFA Art, 2007 Spring, Fall)
Emily Lee (BHA, 2009 Spring)
Lauen Hirata (BA Professioanl Writing, 2012 Spring)
Ila Foley (BA Professional Writing, 2012 Spring)
Kathryn Thomas (BFA Design 2013 Spring)
Afnan Fahim (BS Computer Science, 2013 Fall)
Blaine Cole (BS Statistics, 2016 Fall–2017 Spring)
Naomi Shimada (BA Professional Writing, 2019 Fall–2020 Spring)

Graduate Students

Jeff Christensen (MDes, 1996 Spring)
Kenneth Mohnkern (MDes, 1996 Summer)
Jack Moffett (MDes, 1996 Fall)
Quita Stiteler (MDes, 1996 Fall)
Joonhwan Lee (MDes, 1999 Spring)
Soojin Jun (MDes, 1999 Spring)
Jay Yi (MDes, 1999 Spring)
Christopher Word (Rhetoric MA, 2007 Spring)
Trevor Croxson (MA Rhetoric, 2008 Spring)
Moonyoung Kang (MS Computer Science, 2008 Fall)
Lisa Kay Davis (MAPW, 2009 Fall)
Ari Klein (MA Rhetoric, 2010 Spring)
Yeonjoo Oh (Ph.D. Architecture, 2005 Spring, Fall)
Sora Key (Ph.D Architecture, 2007 Fall)
Emily Stark (Ph.D. Rhetoric, 2009 Fall)

Directed Research

Matt Zebrowski (Ph.D. Rhetoric, 2010 Spring)
Erin Friess (Rhetoric Ph.D., 2005 Spring)

Professional Service

National/International Service

2019–Present	**Immediate Past President, IEEE Professional Communication Society**
2017−2018	**President, IEEE Professional Communication Society**
2010−2018	**Elected Member of the Administrative Committee, IEEE Professional Communication Society**
1997−Present	**Editorial board member,** ***Design Issues***, MIT Press
2012−Present	**Editorial advisory board member,** *ATTW Book Series in Technical and Professional Communication*,Taylor & Francis/Routledge
2015−2016	**Vice President, IEEE Professional Communication Society**
2013−2014	**Conference co-Chair, 2014 IEEE International Professional Communication Conference**
2012−2014	**Digital Content Working Group Lead, IEEE Professional Communication Society**
2011−2012	**Chair, Electronic Information Committee, IEEE Professional Communication Society**

Referee of Manuscripts, Materials, and Grant Proposals

2019	**University of Leuven, Belgium. Annual Research Grant Reviewer** **Hamad Bin Khalifa University, MA in Digital Humanities & Societies. External Thesis Reviewer** **IEEE International Professional Communication Conference (ProComm 2019)** **IEEE Transactions on Professional Communication**
2018	**Co-Editor, IEEE Transactions on Professional Communication: Special Issue on Data-Driven Approach to Teaching and Research in Technical Csommunication** **Modern Language Association (Book Review)** **Technical Communication Quarterly** **IEEE International Professional Communication Conference (ProComm 2018)** **IEEE Technology & Society Magazine** **Composition Forum—A Journal of Pedagogical Theory in Rhetoric and Composition**
2017	**National Science Foundation (NSF) IUSE Program** **Communication Design Quarterly** **IEEE International Professional Communication Conference (ProComm 2017)** **Routledge (Book Manuscript)**
2016	**IEEE International Professional Communication Conference (ProComm 2016)** **Journal of Business and Technical Communication**
2015	**IEEE International Professional Communication Conference (ProComm 2015)** **IEEE Transaction on Professional Communication** **Technical Communication Quarterly** **Journal of Business and Technical Communication**
2014	**IEEE International Professional Communication Conference (IPCC 2014)** **ACM Symposium on User Interface Software and Technology (UIST 2014)**
2013	**IEEE International Professional Communication Conference (IPCC 2013)** **Technical Communication Quarterly** **IEEE Transaction on Professional Communication**

2012	**IEEE International Professional Communication Conference (IPCC 2012)** **Technical Communication Quarterly** **IEEE Transaction on Professional Communication,** **ACM Human Factors in Computing (HCI 2013)**
2011	**IEEE International Professional Communication Conference (IPCC 2011)** **Technical Communication Quarterly**
2010	**National Science Foundation (NSF) Creative IT Program** **Technical Communication Quarterly** **International Journal of Design** **ACM Human Factors in Computing (HCI 2011)** **Tangible, Embedded, and Embodied Interaction (TEI 2011)**
2009	**IEEE Transaction of Professional Communication** **IEEE International Professional Communication Conference (IPCC 2010)** **ACM Creativity & Cognition 2010**
2007	**Interactive Visualization, Zudilova-Seinstra, Adriaansen, and van Liere (eds.), Springer, Advanced Information and Knowledge Processing series**
2006	**ACM Human Factors in Computing (HCI 2007)** **ACM Computer Supported Cooperative Work (CSCW 2007)** **Bedford/St. Martin's Publishers**
2005	**Van Waes, L., Leijten, M. Neuwirth, C. (eds.) (2006).** ***Writing and Digital Media.*** **Kluwer Academic Publishers.**
1999	**ACM Design for Interactive Systems (DIS 2000)**
1997–2000	**Special Project of Human-Sensitivity Engineering** (with University of Tsukuba, Japan)
2005 Fall–2007 Fall	**Japan Multi-media Licensing Examination Committee**

University & College Service

2018 – 2019	**Working Group on Doctoral Student Advising**
2018 Spring	**AW Mellon Digital Humanities Seed Grant Review Panel**
2018 Spring	**AW Mellon Technology Enhanced Learning Seed Grant Review Panel**
2016 – 2018	**Middle States Standard 5 Committee**
2013 Fall – 2014 Spring	**The Global Communication Center Advisory Board**
2012 Fall – 2014 Spring	**Carnegie Mellon University Library Scholarly Communications Advisory Board**
2009 – 2011	**Master of Design in Tangible Interaction Design Admissions Committee** School of Architecture
2008	**The Strategic Plan for Education Subcommittee: Writing, Communication and Information Literacy**

Department Service (Department of English)

2014 – 2018 Fall	**Director, Rhetoric Program**
2005 – Present	**Rhetoric Ph.D. Admissions Committee**
2009 Fall – 2015 Spring	**Co-Director, Master of Design in Communication Planning & Information Design Program**
2008 – 2013	**Master of Design in Communication Planning and Information Design Admissions Committee**
2007 – 2013 Fall	**Master of Design Graduate Committee**
2007 – 2009	**Department of English, Graduate Committee**
2005 – 2011	**Master of Arts in Professional Writing Admissions Committee**
2005 Fall	**Coordinator for Information Systems Program's Communication Design Concentration**

Department Service (School of Design)

2000 – 2001	**Chair, Communication Design Program**
2000 – 2001	**Chair, Communication Design faculty search committee**
1998 – 2001	**Technology Committee**

1996–2000	**Master of Design in Interaction Design Admissions Committee**	
1996/97, 1998/99	**Master of Design in Interaction Design Thesis Review Committee**	

Other Service

2011–2015 June	**Vice President, Pittsburgh Mandolin Society**	
2009–2015 June	**Elected Member of the Board of Directors, Pittsburgh Mandolin Society**	

Other Employment & Board Membership

2018–Present	**ThunderHouse, LLC.** Advisory Board Member	*–New York, NY*
2003–2004	**QUALCOMM, Technologies and Ventures** Senior Staff Engineer (software engineer / user experience designer)	*–San Diego CA*
2001–2003	**QUALCOMM, Internet Services, BREW Device Environment Product Mgmt** Senior Staff Engineer (product manager / user experience designer)	*–San Diego CA*
2001–2001	**QUALCOMM, Internet Services, Wireless Applications Research Team** Senior Staff Engineer (software engineer /user experience designer)	*–San Diego CA*
1997–1998	**FutureTense, Inc.** Design Director	*–Acton, MA*
1990–1992	**International Media Research Foundation (IMRF)** Principal Researcher	*–Tokyo, Japan*
1989–1990	**Assistant Lecturer** Dept. of Architecture, College of Science and Technology, Nihon University	*–Tokyo, Japan*

Independent Work

May 1999 (1 week)	**Visiting Professor, Innovative Design Lab. of Samsung**	*–Seoul, Korea*
May 1996–Aug 1996	**Designer in Residence: McCann-Erickson Worldwide**	*–New York, NY*
1989–Present	**Independent Design Consultant (Interaction / Communication Design)**	

Visiting & Part-time Appointments

2006–2009	**Visiting Professor, Tama Art University**	*–Tokyo, Japan*
2007	**Visiting Associate Professor, Keio University**	*–Tokyo, Japan*
1999	**Visiting Professor, Musashino Art University**	*–Tokyo, Japan*
1991–1992	**Special Lecturer, Tama Art University–Kaminoge Campus**	*–Tokyo, Japan*

Interviews & Media Coverage

† published in Japanese

Personal Interviews

"Newsmaker" *Tribune Review*, December 22, 2009.

“Telecommuting” *Ryuko Tsu-shin Homme*, May, 1991.†

“Hypermedia: reading magazines on screen” *Asahi Newspaper,* December 12, 1990.†

“Dream becomes reality: We will soon have things like ...” *Enjoy Graffiti,* April, 1990.†

“Suguru Ishizaki” In *Portraits of 50 Macintosh People,* S. Abe (ed.). Tokyo:HBJ Pub. 1990.†

Miscellaneous media coverage/features, and recognition

“Design Masterpieces,” *Encyclopedia of Design*. Asakura-Shoten, Japan. 2003.†

Musashino-Art, No. 116, Musashino Art University Press, Japan. 2000.†

New York Times On-Line, December 1999.

Professional Memberships

IEEE Professional Communication Society (ProComm)
Association of Teachers of Technical Writing (ATTW)