

GREGORY CLANCEY

Associate Professor, Department of History and Asia Research Institute (ARI)
Leader, Science-Technology-Society (STS) Cluster, Asia Research Institute (ARI)
Fellow (Founding Master), Tembusu College
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National University of Singapore (NUS)
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DEGREES

Ph.D., M.I.T. [Massachusetts Institute of Technology], Doctoral Program in the History & Social Study of Science and Technology (1998) [Dissertation Committee: Merritt Roe Smith, John Dower, Peter Perdue]

M.A., Historic Preservation Studies, Dept. of American & New England Studies, Boston University (1986)

B.A. with Highest Honors, Dept. of History, Bates College (1981) [Junior Year at Harris-Manchester College, Oxford University]

APPOINTMENTS

Leader, STS Cluster, Asia Research Institute, 2009 - 30 June 2022

Founding Master, Tembusu College at NUS, 2010 - 2019

Associate Professor, Dept. of History, National University of Singapore, 2006 - [Joint Appointment with Asia Research Institute from 2009 -]

Assistant Dean, Faculty of Arts and Social Sciences, National University of Singapore, 2006– 2010

Assistant Professor, Dept. of History, National University of Singapore, 1999 - 2006

Post-Doctoral Research Associate, S.T.S. Program, MIT, 1998-99

Architectural Conservator, Society for the Preservation of New England Antiquities (SPNEA), Boston, Mass. 1990-92

Architectural Conservator, Adams & Roy Inc., Portsmouth, N.H. 1986-89

Programme Coordinator (Preservation, National Register of Historic Places, etc.), Maine Historic Preservation Commission, Augusta, Me., 1982-84

VISITING APPOINTMENTS

Visiting Professor, Nagasaki University, Japan, 2014-15; 2017-18

Graduate Fellow, Dibner Institute for the History of Science and Technology, MIT, Cambridge, Mass., 1996-98

Fulbright Graduate Research Fellow, Faculty of Engineering, Architectural History Lab (*kenkyushitsu* of Dr. Suzuki Hiroyuki), University of Tokyo, Japan, 1995-96

Lars Hierta Fellow, Dept. of the History of Technology, Royal Institute of Technology (KTH) Stockholm, Sweden, 1995

Foreign Language and Area Studies Fellowship, U.S.D.E., 1994

AWARDS and PRIZES

Morison Prize, Massachusetts Institute of Technology (MIT), 2012

Sidney Edelstein Prize, Society for the History of Technology, for Earthquake Nation: The Cultural Politics of Japanese Seismicity (Berkeley: U. of California Press, 2006), 2007

Also selected as one of 11 “Best Books about Science” on UC Berkeley’s Summer Reading List for incoming freshmen, 2009

University Teaching Excellence Award, NUS, 2005-2006

Faculty Teaching Award, NUS, 2005 and 2006

Samuel & Rose Levinson Prize, Society for the History of Technology (for best unpublished manuscript), 1994

Joan Cahalin Robinson Prize, Society for the History of Technology (for best conference presentation), 1994

Benjamin M. Siegel Prize, Massachusetts Institute of Technology (for best graduate student paper), 1994

Benjamin M. Siegel Prize, Massachusetts Institute of Technology (second place), 1993

Highest Honors in History (for senior thesis), Bates College, 1981

MAJOR GRANTS (PI and Co-PI)

PI, Heat in Urban Asia: Past, Present and Future. Ministry of Education (Singapore) Tier 2 Academic Research Fund Grant (SGD \$750,000), 2019-2022

Co-PI, Governing Compound Disasters in Urbanizing Asia. Ministry of Education (Singapore) Tier 2 Academic Research Fund Grant (SGD \$700,000), 2014-2017

PI, Asian Biopoleis: Bioscience and Biotechnology as Emergent Forms of Life and Practice. Ministry of Education (Singapore) Tier 2 Academic Research Fund Grant (SGD \$700,000) plus NUS Humanities and Social Sciences Research Fund Grant (SGD \$200,000), 2010-2013

CONSULTANTSHIPS

Division of Human Health, International Atomic Energy Agency (IAEA), Vienna, 2012-

National Science Museum, Tokyo, Japan, 2002-2004

PUBLICATIONS

Books

How Architects Became Modern. manuscript finished and under review

[Ed. with Ryan Bishop and John Phillips] The City as Target (London, New York: Routledge, 2012)

Earthquake Nation: The Cultural Politics of Japanese Seismicity, 1868-1930 (Berkeley, California: U. of California Press, 2006)

[Ed., with Alan Chan and Loy Hui Chieh] Historical Perspectives on East Asian Science, Technology, and Medicine (Singapore: Singapore U. Press and World Scientific Publishers, 2002)

[Ed., with Merritt Roe Smith] Major Problems in the History of American Technology (Boston: Houghton, Mifflin, & Co., 1998)

Articles in Journals

“‘The Way We Build’: Craft, Innovation, and Sustainability in Japanese House-Carpentry”, Journal of the History of Science and Technology, forthcoming.

“Hygiene in a Landlord State: Cleanliness, Germs, and Chewing Gum in Late 20th Century Singapore” Science, Technology, and Society 23 (2): 214-233 (July, 2018)

“Making STS Singaporean”, East Asian Science, Technology, and Society 12 (1): 81-89 (Mar. 2018)

“The Changing Character of Disaster Victimhood: Evidence from Japan’s Great Earthquakes” Critical Asian Studies v. 48, no. 3 (Sept. 2016)

[with Rethy Chhem] “Hiroshima, Nagasaki, and Fukushima” The Lancet v. 386, n. 9992 (Aug 01, 2015) pp. 405-406

“The Diaspora of the Dead: Civic Memorialization in the Age of Internet Databases” Mortality, v. 20, no. 4 (2015)

[with Haidan Chen] “Introduction: Asian Biopoleis: Biomedical Research in ‘The Asian Century’”, Science, Technology, and Society, v. 18, no. 3 (Nov., 2013)

[with Liz Chee] “The Human Proteome and the Chinese Liver”, Science, Technology, and Society, v. 18, no. 3 (Nov., 2013)

[with Connor Graham, Ryan Bishop, and Michael M.J. Fischer] “Editorial Introduction: Asian Biopoleis: Practice, Place, and Life” East Asian Science, Technology and Society: An International Journal (2013) 7:1–6

“Japanese Seismicity and the Limits of Prediction”, Journal of Asian Studies, v. 71, no. 2 (May) 2012: 333-344

“Intelligent Island to Biopolis: Smart Minds, Sick Bodies, and Millennial Turns in Singapore” Science, Technology, and Society, 17:1 (2012): 13-35

[with Catelijne Coopmans, Conner Graham, and Axel Gelfert], “Editorial Introduction: Technologies, Lives, and Futures in Asia”, Science, Technology, and Society, 17:1 (2012): 1-1-10

“Dangerous, Disruptive, or Irrelevant?: History (of Technology) as an Acquired Taste in Asia” East Asian Science, Technology, and Society, v. 6, no. 2, 2012, pp. 243-247

[with Minami Orihara] “The Nature of Emergency: The Great Kanto Earthquake and the Crisis of Reason in Late Imperial Japan”. Science in Context, v. 25, Issue 1, (March) 2012: 103-126

“Disasters as Change Agents: Three Earthquakes and Three Japans”, East Asian Science, Technology, and Society, v. 5, no. 3, 2011, pp. 395-402

“The History of Technology in Japan and East Asia”, East Asian Science, Technology, and Society, (November, 2009)

“Japanese Colonialism and its Sciences”, East Asian Science, Technology, and Society, 1-2 (2008), pp. 205-211

“Urban Design and Speech Freedom in 1960s Singapore: S.P.U.R. (Singapore Planning and Urban Research Group“ Round, 1-1 (2007), pp. 195-213

“The Meiji Earthquake: Nature, Nation, and the Ambiguities of Catastrophe” Modern Asian Studies, 40-4 (Oct. 2006), pp. 909-952

“Vast Clearings: Emergency, Technology, and American De-urbanisation, 1930-1945” Cultural Politics, 2-1 (March, 2006), pp. 49-76

Re-published in Ryan Bishop, Gregory Clancey, and John Phillips, The City as Target (London, New York:Routledge, 2012)

“Designing a Home for the *Yamato Minzoku*: Race, Housing, and Modernity in War-Time Japan” Asian Studies Review, 29-2 (June, 2005), pp. 123-141

“Local Memory and Worldly Narrative: The Remote City in Japan and America”, Urban Studies. 41-12 (2004), pp. 2335-2355

Re-published in Yong Sook Lee and Brenda Yeoh, eds., Globalisation and the Politics of Forgetting (London: Routledge, 2005)

“Foreign Knowledge: Cultures of Western Science-Making in Meiji Japan”, Historia Scientiarum, v. 11-3 (March, 2002), pp. 245-260

Re-published in Srilata Ravi & Mario Ruttan, eds., Asia in Europe, Europe in Asia (Leiden, Neth.: IAS, 2004)

[with Nakatani Norihito, et. al.] “How Japanese Architecture and Carpenters Were Perceived in Modern America: A Study of American Architectural Journals of the Nineteenth and Twentieth Centuries” [in Japanese], Housing Research Foundation Annual, No. 26 (Tokyo, 1999)

“Nihon no Daiku”, Kenchiku Zasshi [Journal of the Japan Institute of Architects], Aug. 1996.

Book Chapters and Published Reports

“Radiation Risk Communication in Fukushima from an STS Perspective”, May Abdul-Wahab, ed. IAEA Handbook on Radiation and Human Health (Vienna: International Atomic Energy Agency, forthcoming)

“Professor Koh as College Rector” Festschrift in Honor of Ambassador Tommy Koh (Singapore: World Scientific Publishing, 2017)

“Singapore’s Collegiate Model: Combining Teaching, Research, and Residency” Martyn Evans and Tim Burt, eds., The Collegiate Way (Rotterdam & Boston: Sense Publishers, 2017)

[with Catelijne Coopmans and Francois Amar] “The College’ as an Emergent Global Form: One Experience at Building a Trans-National College-to-College Partnership” in Robert Glover, Katherine O’Flaherty, eds., With Honors: Challenges and Promises in the Future of Honors Education (New York: Rowan and Littlefield, 2016)

[Ed. With Rethy Chhem] Health in Disasters: A Science and Technology Studies Practicum for Medical Students and Health Care Professionals (Vienna: International Atomic Energy Agency, 2016)

[with Rethy Chhem and Azura Z. Aziz] “Radiation Disaster Medicine Curriculum Revisited in a Post-Fukushima Context” in Koichi Tanigawa and Rethy Chhem eds., Radiation Disaster Medicine: Perspectives from the Fukushima Nuclear Accident (Springer, 2014)

“Natural Disaster: East Asia”, in Peter Stearns, ed., Oxford Encyclopedia of the Modern World (Oxford: Oxford U. Press, 2008)

“Seeing the Lumber for the Forest: The Wood in Japanese Capitalism” in Peter Boomgaard and Greg Bankoff, eds. The Wealth of Nature: Natural Resources in Asian History (New York; London: Palgrave MacMillan, 2007)

“The Modernity of Carpenters: *Daiku* Technique and Meiji Technocracy” in Morris Low, ed., Building a Modern Japan: Science, Technology, and Medicine in the Meiji Era and Beyond (New York; London: Palgrave MacMillan, 2005)

“Materials of Construction” in Burt Feintuch & David H. Waters, ed. The Encyclopedia of New England Culture (New Haven: Yale University Press, 2005)

“Toward a Spatial History of Emergency: Notes from Singapore” in Ryan Bishop, John Phillips, and Yeo Wei Wei, ed. Beyond Description: Singapore, Space, Historicity (London; New York: Routledge, 2004)

Electronically pre-published as ARI (Asia Research Institute) Working Paper No. 8, Aug., 2003

“Science in Eurasia: Meiji Seismology as Cultural Critique” in Chan, Clancey, & Loy, ed. Historical Perspectives on East Asian Science, Technology, and Medicine (Singapore U. Press & World Scientific Publishers, 2002)

[with Ryan Bishop], “The City as Target: Perpetuating Death” in Ryan Bishop, John Phillips, and Yeo Wei Wei, ed., Perpetuating Global Cities: Postcolonial Urbanism (London; New York: Routledge, 2002)

Re-published with a new forward and epilogue in Stephen Graham & Simon Martin, eds., Cities, War, and Terrorism (Oxford: Blackwell’s, 2004)

“The Japanese Imperium in South-East Asia” in Paul Kratoska, ed., South-East Asian Minorities in the Wartime Japanese Empire (London: RoutledgeCurzon Press, 2002)

“The Arrow or the Matrix: Notes on the Social and Cultural Construction of Technology” in Shimizu Keiichi, ed. The Future of the History of Technology in Japan: The Third Symposium on the History of Technology (Tokyo: National Science Museum, 2001)

Meiji Gakuin Senkyoshi-kan (Imbry-kan) no Kozo: Kenchiku Chosa Hokoku (Tokyo: Meiji Gakuin, 1996)

“Architecture in Action” [STS Working Paper #21], (Cambridge, MA: M.I.T. STS Program, 1995).

[with Michael Stetson, Robert Henry, and John Leeke], “Mapping Patterns of Cracking and Moisture Migration in Early Brickwork, and Replicating Shell Lime Mortar” in Materials Research Society Symposium Proceedings, v. 352 (1994)

[with John Leeke], Report on Building Archaeology at the John Parsons House, Northampton, Massachusetts (Northampton, MA, U.S.A.: Historic Northampton, 1992).

“The Boott Mill Boarding Houses...” in Mary C. Beaudry & S. Mrozowski, ed., Interdisciplinary Investigations of the Boott Mills, Lowell, Mass., v. III (Washington: National Park Service, 1989).

“An Architectural Study of the Kirk St. Agent’s House” in Beaudry & Mrozowski, ed., Interdisciplinary Investigations of the Boott Mills, Lowell, Mass., v.II (Washington: National Park Service, 1987).

“The Origin of the Boott Boarding House Plan...” in Beaudry & Mrozowski, eds., Interdisciplinary Investigations of the Boott Mills, Lowell, Mass., v. I (Washington, National Park Service, 1987).

“Ashur Bassford”, in A Biographical Dictionary of Architects in Maine, v. II, (Augusta, Me.: Maine Historic Preservation Commission, 1986).

[with H. Draper Hunt] The Blaine House: A Brief History and Guide (Augusta, Me.: Maine Historic Preservation Commission, 1984)

Book Reviews

Keller Easterling, Enduring Innocence: Global Architecture and its Political Masquerades in Technology and Culture, 48-1 (Jan. 2007)

Shigeru Nakayama, ed., A Social History of Science and Technology in Contemporary Japan Vol. 1: The Occupation Period, 1945-1952 in Asian Studies Review

Emma Tarlow, Unsettling Memories: Narratives of the Emergency in Delhi in Asian Journal of Social Science 32-2 (June, 2004), pp. 319-321.

Martin Hemmert & Christian Oberlander, Technology and Innovation in Japan in Technology and Culture 42-2 (Apr. 2001), pp. 396-397

Robert Brueggemann, Modernism at Mid-Century: The Architecture of the U.S. Air Force Academy in Technology and Culture 37-3, (July 1996), pp. 646-647

Judith McGaw, Early American Technology, in Isis 86-3 (Sept. 1995), pp. 499-500

INVITED SYMPOSIUM/ SEMINAR PAPERS

(*) Indicates travel and board paid by organizers

Keynotes, Plenaries, and Prize Lectures

*(Keynote) “Seven Reasons the History of Technology is Particularly Relevant in the 21st Century”, 6th Forum on the History and Heritage of Technology in China, Hangzhou, China, June 3-4, 2018

*(Keynote) “What Can We Learn From Disasters?” FMU-IAEA Technical Meeting on Enhancing Radiation Medical Education, Fukushima, Japan, July 25-27, 2014

*(Keynote) “Reflections on Japan and Natural Disaster”, Radiation, Health, and Society: Post-Fukushima Implications for Health Professional Education, IAEA-FMU International Academic Conference, Fukushima Medical University, Japan, November, 2013

* (Keynote) “How and Why Should We Study Natural Disaster”. 11th East Asian STS Network Meeting, Tokyo Institute of Technology, Tokyo, Japan, November, 2013

**”Telling Stories about Technology in the Asian Century”, Morison Prize Lecture, MIT, Cambridge, Mass., USA, May 2012

(Plenary): “The Asian Turn Toward STS”, 12th International Conference for the History of Science in East Asia, Johns Hopkins University, U.S.A., July, 2008

(Plenary): “The Asian Turn Toward STS”, 4th International Conference on Multimodality, Singapore, July-Aug. 2008

* (Keynote): “Disaster Culture: Violence, Vulnerability, and Japanese Nature” Responses to Destruction in Japan: A Multi-Disciplinary Symposium, Institute of East Asian Studies, University of California Berkeley, U.S.A., Oct. 2006

* (Keynote): “The Pagoda and the Chimney”, Fifth Symposium on the History of Technology, National Museum of Industrial Technology, Tokyo, Japan, 2006

International

* [Commentator] “Build Back Better: from the World to Fukushima, from Fukushima to the World”, International Symposium of the Radiation Medical Science Center of Fukushima Medical University, Jan. 14-15, 2019

* “Science, Technology and Society (STS) Lessons for Public and Medical School Educators: An Overview of Needs” Consultancy Meeting on STS Education Support on Return (of Evacuees) in the Context of Low-Dose Radiation. Fukushima Medical University, Jan. 16-17, 2019

* “STS in Singapore” 2nd Universite Sorbonne Paris Cite (USPC) -NUS Conference, Paris, France, May 22-23, 2018

* “The Way We Build: Japanese House-Carpentry as Craft and Sector” Craft and Innovation in Modern Societies, National Institute for the History of Natural Sciences (IHNS), and the Society for the History of Technology (SHOT). Venue: National Silk Museum, Hangzhou, China, June 1-3, 2018

“Colleges Partnering Across the Globe: The Tembusu College and University of Maine Honors College Experience” [with Francois G. Amar], 2nd Collegiate Way International Conference, Canberra, Australia, November 13-17, 2016

“How Architects Became Modern”, Seminar, Honours College of the University of Maine (USA), May, 2016

* "Emergency Medicine: A History and Critique", Technical Meeting on Radiation, Health, and Healing, Fukushima Medical University (FMU), Fukushima (Japan) Mar. 9-11, 2016

* "Preparing Students for the Social Phenomena of Radiation Emergencies and Public Concerns" 2nd Symposium on Radiation and Human Health from an STS Perspective: The View from Asia, , Nagasaki University (Japan), Nov. 9-11, 2015

* "Disaster vs. Governance: Some Observations from History" NUS--Chinese Academy of Urban Planning and Design (CAUPD) Collaborative Workshop: Post-- - disaster Governance or Resilient City Regions. Chengdu Construction Department (China) 8-9 September 2015

*“The Changing Character of Victimhood in Four Japanese Earthquakes”, at *Protecting the Weak: Entangled Processes of Framing, Mobilization, and Institutionalization in East Asia*”, Goethe University, Frankfurt, Germany, Jan. 23-24, 2015.

*“Compounding Disasters” 1st Technical Meeting on Science, Technology, and Society (STS) Perspectives on Nuclear Science, Radiation and Human Health: The View from Asia, 27-28 November, 2014. Hiroshima University, Japan and International Atomic Energy Agency (IAEA)

*“A History of Safety Standards in Japanese Housing”, at Symposium on the History of Safety Standards in Japan, Tokyo University, Sept. 6, 2014

*“Reflections on Disaster in the 20th and 21st Centuries”, Hiroshima University, Feb., 2014

*“Placing Fukushima in Historical Perspective: Japan and Natural Disaster”, Atomic Bomb Disease Institute, Nagasaki University, November, 2013

*“Thinking Critically about Science, Technology, and Society”, Radiation, Health, and Society: Post-Fukushima Implications for Health Professional Education, IAEA-FMU International Academic Conference, Fukushima Medical University, Japan, November, 2013

“The Human Proteome and the Chinese Liver”, Symposium: “Asian Biopoleis and Beyond”, Needham Research Institute, Cambridge (UK), Feb. 2013

*“The Nature of Emergency”, 4th EASTS International Conference: Engaging East Asian Science, Technology, and Society, National Yang-Ming University, Taipei, Taiwan, July 9, 2012

*“Thinking Through Disaster, Japanese Earthquakes Past and Present” Panel Discussion, Donald Keene Center of Japanese Culture, Columbia University, USA, April 6, 2012 [Sen Lecture and Symposium Marking the Anniversary of the 2011 Tohoku Earthquake]

*“Three Earthquakes and Three Japans (Paper), *From Aftershock to Aftercare*, Harvard Yenching Institute, Harvard University, USA, May, 2011

“Engaging with Asia – Responsibilities and Opportunities in the History of Technology” (Roundtable), *Annual Meeting, Society for the History of Technology*, Cleveland, USA, Nov., 2011

“Infrastructure(s) and the Fukushima Earthquake: A Roundtable on Emergencies, Nuclear and Otherwise”, *Annual Meeting, Society for the History of Technology*, Cleveland, USA, Nov. 2011

“Googling the Lost Dead”, *Afterlife and Death in a Digital Age*, Asia Research Institute, Singapore, May, 2011

*“The Nation as Emergency Medicine: Health and Politics in Post-Colonial Singapore”, Academia Sinica, Taipei, Taiwan, May. 2010

*“Seismology in Japan”, Academia Sinica, Kaohsiung, Taiwan, May 2010.

*"Toward a History of Emergency", Technological Cultures: Themes and Methods in the History of Technology (Workshop Discussion Series), Max Planck Institute for the History of Science, Berlin, Germany, April 2010

*"The Nature of Emergency" Environmental History in Global Perspective (Speaker Series), University of Erfurt, Germany, April 2010

* (with Minami Orihara) "The Nature of Emergency: The Great Kanto Earthquake and the Crisis of Reason in Late Imperial Japan", Witness to Disaster: Comparative Histories of Earthquake Science and Response, Barnard College of Columbia University, U.S.A., October, 2009

* "The History of Technology in Japan", Annual Meeting, East Asian STS Journal/Network, Taipei, Taiwan, June 2009

* "Toward a History of Emergency", Seminar Series, Davis Center, Princeton University, U.S.A., Mar. 2008

* "Satellite Towns, Intelligent Island, Biopolis: Singapore's Layered Technoscapes", Asian Biotechnology: An Emerging Field of Life, Nationalism, and Capitalism, University of Hawaii, Honolulu, Hawaii, U.S.A. May, 2006

* "Seeing the Lumber for the Forest: The Wood in Japanese Capitalism", Symposium: The Wealth of Nature: How Natural Resources Have Shaped Asian History, 1600-2000, Netherlands Institute of Advanced Study (NIAS), Royal Netherlands Academy of Arts, Wassenaar, The Netherlands, May, 2004 [Paper published as book chapter, 2007]

* "A Home for the *Yamato Minzoku* in a Time of War-Emergency: Race and Housing in Late Imperial Japan", Conversation on the Future History of Science, Medicine, and Technology in East Asia II, Dept. of the History of Science and Technology, Johns Hopkins University, U.S.A., Feb. 2004 [paper published in *Asian Studies Review*]

* "Things Fall Down: Science, Architecture, and Landscape in Meiji Japan", Conversation on the Future History of Science, Medicine, and Technology in East Asia I, Dept. of the History of Science and Technology, Johns Hopkins University, U.S.A., Sept. 2003

* "A Home for the *Yamato Minzoku* in a Time of War-Emergency: Race and Housing in Late Imperial Japan". Symposium on Race and Science in Asia, Program in Science, Technology, and Society (S.T.S.), Massachusetts Institute of Technology (M.I.T.), U.S.A., April, 2003

[with Ryan Bishop], "The City as Target", Symposium: Cities as Strategic Sites: Militarization, Anti-Globalism, and Warfare, CUBE (Center for the Urban and Built Environment), Manchester, U.K., Nov. 2002 [paper re-published as book chapter, 2004]

"Science-Making in Meiji and Taisho Japan", Exploring Socio-Cultural Exchange and New Identities in Asia [N.U.S. – Japan Society for the Promotion of Science Workshop], Natl. U. of Singapore, Nov. 2002 [abstract published in conference proceedings]

"Foreign Knowledge: Cultures of Western Science-Making in Meiji Japan", Asia in Europe, Europe in Asia [Symposium], Natl. U. of Singapore, Dec. 2001 [paper published as IRJ article, 2002, and re-published as book chapter, 2003]

* “The Arrow or the Matrix: The Social and Cultural Construction of Technology”] and Panel Discussant [in Japanese and English], Third Symposium in the History of Technology, United Nations University, Tokyo, Japan, 2001 [paper and panel discussion published in proceedings, 2001]

[with Ryan Bishop] “The City as Target: Perpetuation and Death”, Perpetuating Global Cities: Postcolonial Urbanism [Symposium], Natl. U. of Singapore, July, 2001 [paper published as book chapter, 2003]

* “Art Nation/ Earthquake Nation”, Paper and Panel Chair, Architecture and Modern Japan [Second half of two-part international symposium, see below], Donald Keene Center of Japanese Culture, Columbia University, New York, U.S.A., 2000 [paper accepted for publication as book chapter, 2001]. Paper discussed in Japan Times review of conference, Oct. 28, 2000. Conference Website: http://www.columbia.edu/cu/ealac/dkc/calendar_2000_fall/architecture_symposium.html

* “The Cultural Construction Model Applied to the Development of the Personal Computer” [in Japanese and English], Dept. of Science & Engineering, National Science Museum, Tokyo, Japan, Dec., 2000

* “Art Nation / Earthquake Nation: The Cultural Economy of Japanese Seismicity”, Architecture and Modern Japan [First half of two-part international symposium, see above], University of Tokyo, Japan, 1999

* Seminar on Current Research, Dept. of the History and Sociology of Science, University of Pennsylvania, U.S.A., 1999

* Seminar on Current Research, Dept. of Science and Technology Studies, Cornell University, U.S.A., 1999

Commentary on Papers by James Bartholomew and Lydia Liu, Special Colloquia in Honour of Loren Graham, Massachusetts Institute of Technology, U.S.A., April, 1999

“The Art and Zen of Prefabrication”, Colloquium Series, Program in Science, Technology, and Society, Massachusetts Institute of Technology, U.S.A., 1998

“Nihon to Amerika no Kenchiku-shi”, Western Architectural History Kenkyukai, New School, Tokyo, Japan, 1996.

“Prefabrication as Historical Ideal”, Dept. of the History of Technology, Royal Institute of Technology, Stockholm, Sweden, 1995.

* Seminar on Current Research, Program in the History of Technology, Chalmers Institute of Technology, Gothenburg, Sweden, 1995.

“Foreign Influence on Meiji-period Architecture and Landscape Planning of Hokkaido”, Faculty of Architecture (History of Architecture), Hokkaido University, Sapporo, Japan, 1994.

Panel Discussant, Seminar Series, American and New England Studies Dept. Boston University, U.S.A., 1989, 1994, 1996.

Local (Singapore)

“A Leonardo for 21st Century Singapore?” Nurturing Leonardos, Art-Science Museum, Singapore, May 8, 2015

“Linking Science and Technology Policy and Industrial Policy” National Science and Technology Planning and the Role of Research Universities, NUS, Jan. 26-27, 2015.

“Historicizing Bio-Technology”, Raffles Junior College, Singapore, Aug. 2001

INTERNATIONAL CONFERENCES ORGANIZED

15th International Conference on the History of Science in East Asia (ICHSEA), Aug. 19-23, 2019, Jeonju, Korea. Member, International Program Committee

Annual Conference, Society for the History of Technology (SHOT), Singapore, June, 2016. Chair, Local Organizing Committee

Third Symposium on Radiation and Human Health from an STS Perspective: The View from Asia, Singapore, 2016 (IAEA-sponsored conference) Chair, Local Organizing Committee

D. Kim Foundation Annual Conference. Singapore, Jan. 5-7 2015. Chair, Organizing Committee

14th International Conference on the History of Science in East Asia (ICHSEA), 6-10 July, 2015 Paris, France. Member, International Program Committee

ARI Inter-Asia Roundtable on Health and Natural Disaster. Singapore, Oct. 18, 2014
Convenor, with Tamra Lysaght,

Asia-Pacific STS Network BiAnnual Meeting, Singapore, July, 2013. Member, Organizing Committee

Asian Biopoleis III, ARI, Singapore, July 2013, Chair, Organizing Committee

Asian Biopoleis II: Crossing Boundaries, ARI, Singapore, July, 2012, Chair, Organizing Committee

Climate Change, Disaster Management, and Urban Sustainability: Science, Technology and Society Approaches to Three Asian Challenges, ARI and Tembusu College, Singapore, Dec. 2011 (co-sponsored by the Research Institute for Science and Technology in Society, Japan Science and Technology Agency, Tokyo). Chair and Organizer.

Asian Biopoleis: Bioscience and Biotechnology as Emergent Forms of Life and Practice. [Organizer with Ryan Bishop and Connor Graham], ARI, Singapore, Jan. 2011

Toward a Trans-Asian Science and Technology Studies (Mar., 2009, co-sponsored by ARI). Organizer

Emergent Science and Technology Studies in Southeast Asia (Jan, 2008, co-sponsored by ARI, the University of Sydney, and the National Science Council of Taiwan). Local Chair

Health and Disease in Asia: Historical Perspectives and Global Linkages. NUS, Singapore, May, 2006. Organizer. Paper: “The Nation as Emergency Medicine: Singapore’s Health Campaigns of the 1960s”

Natural Disaster in Asian History and Memory ARI, Singapore, Aug. 26-28, 2005 [Organizer with Timothy Tsu and James Warren].

The City as Target. NUS, Singapore, Aug., 2004 [Organizer with Ryan Bishop and John Phillips] Paper: “Vast Clearings: Emergency, Technology, and American De-Urbanization, 1930-1950”

International Convention of Asia Scholars (ICAS) III, Singapore, Aug. 2003. Member of Organizing Committee

9th International Conference on the History of Science in East Asia (ICHSEA), Singapore, 1999. Member of Organizing Committee and Co-Editor of Conference Proceedings

INTERNATIONAL CONFERENCE PAPERS and PANELS ORGANIZED

Panel Organizer/Chair [“Asian Natures: Technoscience in Imperial Japan”] and Paper [“A Home for the *Yamato Minzoku*: Race and Housing in Wartime Japan”], 3rd International Convention of Asia Scholars (I.C.A.S. III), Singapore, Aug., 2003

Panel Organizer/Chair [“Natural Disaster in Asian History and Memory”] and Paper [“Modernity and Catastrophe: The Meiji Earthquake”], 3rd International Convention of Asia Scholars (I.C.A.S. III), Singapore, Aug., 2003

Paper [“From ‘Japan’s Earthquake Problem’ to Western Engineering’s Problem with Japan”], Society for the History of Technology (S.H.O.T.), Annual Conference, Munich, Germany, Aug., 2000

Panel Chair and Paper [“Japanese Science as Cultural Critique”], 9th International Conference on the History of Science in East Asia, Singapore, 1999

Paper [“Manhood by Design, by Construction”], Symposium: Boys and Their Toys?: Masculinity, Technology, and Work, Hagley Museum, Delaware, U.S.A., 1997

Paper [“Machine Gothic”], American Historical Association (A.H.A) Annual Conference, New York, N.Y., U.S.A., 1997.

Paper [“The Architect’s Dilemma”], Society for the History of Technology (S.H.O.T.) Annual Conference, London, U.K., 1996.

Paper [“Modernity and Carpenters”], Building History/Labour History Symposium, George Meany Archives, University of Maryland, U.S.A., 1996.

Chair [“Topics at the Intersection of Architectural History and the History of Technology”] and Paper [“Machine Gothic”], Society of Architectural Historians (S.A.H.) Annual Conference, Seattle, Washington, U.S.A. 1995.

Panel Organizer/Chair and Paper [“The Balloon Frame Revisited”], Society for the History of Technology (S.H.O.T.) Annual Conference, Lowell, Mass., U.S.A., 1994 [*winner of Robinson Prize for best paper presentation, see above*]

Paper, Annual Conference, Hakodate Kara Trust, Hakodate, Japan, 1994

Paper, Material Issues in Art and Archeology Conference IV. Cancun, Mexico, 1994 [published in conference proceedings, 1995]

Paper, Annual Conference, Association for Preservation Technology (APT), Philadelphia, Penn., 1993

Paper, Annual Conference, American Institute of Architects (AIA), Boston, Mass., 1992.

UNIVERSITY, PUBLIC AND PROFESSIONAL SERVICE

N.U.S.

University

Member, IRO Delegation to IARU Global Summer Program Meeting, 2016

Member, IRO Delegation to IARU Global Summer Program Meeting, Oxford, UK, 2014

Member, Yale-NUS History Search Committee, 2014

Member, Yale-NUS Consultative Committee, 2013 -

Member, Search Committee for Master of Residential College 4, 2013

Member, Executive Committee of University Town Council, 2010 -

Member, Asia Research Institute Steering Committee, 2009 -

Chair, General Education Committee of Board of Undergraduate Studies, 2008 –2010

Member, General Education Committee of Board of Undergraduate Studies, 2010 - 2013

Member, 3 UT Planning Sub-Committees (Course Scheduling, Writing, FS), 2008 - 2010

Member, Board of Undergraduate Studies, 2007 - 2010

Alternate Member, University Committee on Educational Policy, 2007 - 2010

Member, General Education Sub-Committee of University Curriculum Committee, 2001-2003

Faculty of Arts and Social Sciences (FASS)

Chair, Joint Academic Committee, Edinburgh-NUS Joint PhD Programme, 2010 -

Chair, Faculty Curriculum Review Committee, 2007 - 2010

Chair, STS Joint Search Committee, 2007-2008 (for 6 tenure-track positions)

Chair, Undergraduate Initiatives Committee, 2007 (initial planning for Freshman Seminars)

Founding Member, Science Technology and Society Research Cluster, 2006 -

Member, Faculty Curriculum Review Committee, 2006-2007

Organizer/Convener, STS Undergraduate Minor Program, 2005-2010

Member, Organizing Committee, 3rd Intl. Convention of Asia Scholars (ICAS 3), Singapore, 2001-2003 (See ‘Conferences Organized’ above)

N.U.S. Delegate to 2nd Intl. Convention of Asian Scholars (ICAS 2), Berlin, 2001

Member, Organizing Committee, 9th Intl. Conf. on History of Science in East Asia, Singapore, 1999 (Co-edited conference proceedings – see Publications; see also ‘Conferences Organized’ above)

Member, CAS Study Group “Experiences and Interpretations Across Domains”, 1999-2001

Dept. of History

Member, South Asia Search Committee, 2019
Member, East Asia Search Committee, 2016
Chair, Promotion and Tenure Committee for Assistant Professor X, 2014-15
Member East Asia Search Committee, 2007
Third Year Coordinator, 2004-2007
Peer Reviewer, 2003 -
Member, East Asia Search Committee (for two positions), 2002
Member, Undergraduate Curriculum Committee, 2002-04
I.T. Coordinator, 2001-2002
Second Year Coordinator, 2002-2003
Seminar Coordinator, 2000-2001

Other FASS Departments

Member, Promotion and Tenure Committee for Assistant Professor X, CNM, 2014
Department Evaluation Committee, CNM Program, 2009
Peer Reviewer, ICM/CNM Program, 2004-
Peer Reviewer, Japanese Studies Program, 2004-
Peer Reviewer, Dept. of English, 2003-
Peer Reviewer, Dept. of Sociology, 2003-
Member, Search Committee (for two positions), I.C.M. Program, 2002

Ministry of Education

Judge, Learn@Museums, Edu. Technology Div., Ministry of Education, Singapore, 2001.

Positions in Professional Societies

Member, Steering Committee, International Collegiate Way, 2014 –
Nominee, Vice President, Society for the History of Technology (SHOT), 2018
Chair, Local Organizing Committee, SHOT Annual Meeting 2016
Member, Executive Council, Society for the History of Technology (SHOT), 2008 - 2011
Chair, Nominating Committee, Society for the History of Technology (SHOT),
2005- 2007

Editorships and Membership on Editorial/Advisory Boards

(International Advisory Board) East Asian Science, Technology, and Society (Duke) 2015-
(Editor) Science, Technology, and Society (Sage), 2008-
(Editor) East Asian Science, Technology, and Society, (Duke) 2008 - 2015
(Editorial Board) NUS Press, 2007-

Other Positions Held

International Advisory Committee for grant, HKIHSS, Hong Kong University, 2017-
Expert Panel, Radiation & Human Health Related to Fukushima, IAEA Vienna (UN), 2012-
External Examiner (M.A./PhD Theses), Dept. of History, U. of Melbourne, 2003 and 2008
External Assessor, National Science Museum (Ministry of Education), Japan, 2002
Founder and Chair, “History of Technology Workshop” Lecture Series, M.I.T., 1994-95.
Graduate Student Member, Curriculum Committee, S.T.S. Program, MIT, 1994-95.

Referee/ Reviewer, International Refereed Journals

Journal of the Society of Architectural Historians

Cultural Politics

Journal of Southeast Asian Studies

Southeast Asian Journal of Social Science

Technology and Culture

TEACHING

Modules organized and taught

“Climate Change”, Tembusu College, 2019

“Science Fiction Films East and West”, Tembusu College, 2019

“Disasters”, Tembusu College, 2018

“Humanising Technology, Tembusu College, 2018, 2020

“Singapore as Model City”, Tembusu College, 2013

“Urban Asia”, N.U.S./IARU Global Summer School, 2009

HY2251 “From the Wheel to the Web: The History of Technology” N.U.S., 2006- 2009

HY3223 “Science and Technology in the Asia-Pacific, N.U.S., 2005 - [modified for IARU Summer School, 2009]

HY2232 “From Samurai to Sony: The History of Modern Japan”, N.U.S., 2000 - 2009

HY2227 “Technology and Culture in the Asia-Pacific”, N.U.S., 2000 -

HY3223 “Social History of Modern Science and Technology”, N.U.S., 2000 -

HY2227 “Cultural History of American Technology”, N.U.S., 1999 -

[with Stephen Keck] HY2241/GEM 2003 “Why History? The Turbulent 20th Century”

[with Brian Farrell, et al] HY1102 “The Making of the Modern World”, N.U.S., 2000 -

[with John Dower] “The History of Modern Japan”, M.I.T., 1999.

[with M.R. Smith], “Social and Political Implications of Technology”, M.I.T., 1998.

[with Christian Appy], “Work, Leisure, and Society in America, 1600-1950”, M.I.T., 1994.

Graduate students supervised

Ph.D. [with Robin Williams] Hung The Nguyen, 2017-2019

Ph.D. Natasha Sarkar, 2007-2012

Ph.D. Mercedes Planta, 2003-2008

Ph.D. Fang Xiao Ping, 2002-2007

M.A. Minami Orihara, 2006-2008

M.A. Lim Tin Seng, 2003-2005

M.A. Chee Pui Yee, 2002-2004

M.A. [with Tan Tai Yong] Lim Cheng Tju, 2000-2003

Honours theses supervised

Leander Seah, 2002-2003

Patricia Koh Fong Yet, 2001-2002

Danny Cha Boon Hon, 2001-2002

[with Barry Steben] Chee Pui Yee (Japanese Studies Dept.), 2001

Goh Chuen Rurn Eugene, 2001

Harminder Kaur, 2000-2001

Ong Teng Kwee, 2000-2001

Foo Say Liang Daniel, 2000-2001
Joyce Ling, 2000-2001
Chang Yueh Siang, 1999-2000

