Hideo Mabuchi

1810 Oak Ave, Menlo Park CA 94025 USA / +1 626-818-3327
hmail14@gmail.com, hmabuchi@stanford.edu | https://hideo.world, https://firemouse.me

Education

1998 Ph.D. in Physics, California Institute of Technology
1992 A. B. in Physics, *magna cum laude*, Princeton University

Residencies

2023 Haystack Labs
2018 Djerassi Resident Artists Program and Leonardo/ISAST, Scientific Delirium Madness
2017 Haystack Mountain School of Craft, Open Studio Residency
2017 Medalta, Flex Residency
2016 The Banff Centre, Kiln Raising Residency

Employment

2007 – Professor of Applied Physics, Stanford University
2001 – 2007 Associate Professor, California Institute of Technology
1998 – 2001 Assistant Professor, California Institute of Technology

Professional Honors (selected)

2015 Hoagland Award for Curricular Innovation (Stanford University)
2000 – 2005 John D. and Catherine T. MacArthur Foundation Fellowship
2000 Discover Magazine's Twenty Scientists to Watch in the Next Twenty Years
2000 Classroom Teaching Award, Graduate Student Council, California Institute of Technology
1999 Technology Review Magazine's Top 100 Young Innovators

Academic Appointments/Activities (selected)

Denning Family Faculty Director of the Stanford Arts Institute (2023-2026); Committee in Charge, Stanford University Program in Modern Thought & Literature (2023-); Chair, Stanford University Breadth Governance Board (2023-25); Stanford University Public Art Committee (2022-2024); Chair, Department of Applied Physics, Stanford University (2010-2016); Stanford University Leadership Academy (2013-14); Scripps College Humanities Core Curriculum External Review Committee (2007-8)

Teaching (selected)

Studio: visiting artist-scholar, Carleton College (Oct'25), visiting artist, Ventura College Ceramics (Sep'23); *Woodfiring Workshop*, Truro Center for the Arts (June 2019, with Chris Watt); APPPHYS010AX, *The Expressive Vessel: An Immersive Introduction to Clay* (summers 2015 and 2016). Classroom: ARTSINST450, Pattern Mechanics: Reanimating Archival Weaving Diagrams; ARTSTUDI260, Weaving and Printmaking: Tangling the Digital (with Camille Utterback); APPPHYS/ENGLISH363, Modern Physics and Literature; ARTHIST284/484, Material Metonymy: Ceramics and Asian America (with Marci Kwon); JAPAN126/226, Japanese Functional Objects (with Ariel Stilerman and Craig Milroy); APPPHYS100Q, *Indigo*; ARTHIST206/406, *The Alchemy of Art: Substance and Transformation in Artistic Practice* (with Fabio Barry); APPPHYS100B, *The Questions of Cloth: Weaving, Pattern Complexity and Structures of Fabric*; APPPHYS189, *Physical Analysis of Artworks*; ANTHRO/APPPHYS188, *Matter and Mattering: Transdisciplinary Thinking About Things* (with Ian Hodder); OSPKYOTO18, *Ceramic art and technology, from ancient to modern*; APPPHYS100, *The Questions of Clay: Craft, Creativity and Scientific Process*

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Public Speaking on Art/Science/Craft (selected)

2026 12th International Shibori Symposium (keynote)
2026 American Academy in Rome, *Material Ways of Knowing* (panelist)
2025 Carleton College, *Making and Knowing* (public lecture)
2025 National Council on Education for the Ceramic Arts Annual Conference (panelist)
2025 Palo Alto Art Center, *Textile & Technology* (panelist)
2025 Washington and Lee University Museum and Galleries (2025 keynote speaker)
2024-5 MacArthur Foundation X-Grant screenings of *Questions as Tools* (Stanford, New York, Rome)
2024 Anthony B. Evnin Lecture (Princeton University)
2024 American Institute of Architects Nevada – *Knowhere… No Boundaries* (speaker/panelist)
2023 MacArthur Fellows Forum (panelist, The Future of the Humanities)
2023 International Symposium on Academic Makerspaces (lecturer)
2023 HASTAC 2023 Critical Making & Social Justice (lecturer)
2022 Envision: Woodfire NC conference (panelist and lecturer)
2022 National Council on Education for the Ceramic Arts Annual Conference (lecturer)
2022 SFMOMA performance event *Auerglass and Friends*, "Disjunction" (lecturer)
2022 *Science as Art*, a Union of Concerned Scientists Virtual Conversation (panelist)
2022 *Craft in the Laboratory* opening event, Mint Museum (speaker)
2021 National Council on Education for the Ceramic Arts Annual Conference (lecturer)
2019 Bard Graduate Center *What is Research?* series (panelist)
2019 Harvest Summit Innovation Field Trip (main stage interviewee)
2019 Leonardo/ISAST book club interview on Facebook/YouTube (interviewee)
2019 National Council on Education for the Ceramic Arts Annual Conference (roundtable moderator)
2018 Stanford Archaeology Center, Interdisciplinary Workshop Series
2018 Cultural Confluence Wood Fire Symposium, Helena MT (lecturer)
2018 CCCD/MAD/Bard Graduate Center Shared Ground Symposium (panelist)
2018 National Council on Education for the Ceramic Arts Annual Conference (lecturer and panelist)
2016 MacArthur/Getty event "Ways of Seeking: Art, Science and Spirituality" (panelist)
2016 International Woodfire Conference, Waubonsee Community College (panelist)
2016 Science of Art series, Stanford Materials Research Society
2016 National Council on Education for the Ceramic Arts Annual Conference (panelist)
2016 Leonardo Art/Science Evening Rendezvous: University of San Francisco
2015 Americans for the Arts Annual Convention (keynote panelist)

Publications on Art/Science/Craft

YouTube channel | Medium stories

- *Questions as Tools* video sequence of excerpts from interviews, co-directed with Peter N. Miller as a product of our research project *The Role of Questions as Tools in Art, Science, and the Humanities*
- "Weaving as Coding: Complexity and Nostalgia," dh+lib *Making Research Tactile: Critical Making and Data Physicalization in Digital Humanities Special Issue* (29 April 2024).
- "Making meaning: Roles for craft in rehabilitating liberal education," Proceedings of the 2023 International Symposium on Academic Makerspaces.
- "Microscopic Analysis of Wood-Fired Surfaces," NCECA Journal **42**, 140-142 (2022).
- "The Art and Science of Knowing Things," *Craft in the Laboratory: The Science of Making Things*, Rebecca Elliot editor (D Giles Ltd, 2022)
- "Function and Metaphor," NCECA Journal **41**, 213-215 (2021)
- "Materiality, Process, Critique," NCECA Journal **39**, 170-172 (2018)

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Workshops/Events Organized (arts-related)

Research and the Artistic (Im)pulse 2.0: Architecture (4/11/25) and *Reframing* (4/25/25), Stanford University; *Of Microbes and Mushrooms, from Science to Sculpture*, Stanford University 11/15/24; Thread *Control* (with Sarah Rosalena and Quinn Dombrowski), Stanford University 11/2/24-3/8/24; *Research and the Artistic (Im)pulse* (with Jean Ma), Stanford University, 3/9/23-3/10/23; *InclusiviTea/Earth* (with Nancy Hamilton and Yoshiko Matsumoto), O'Donohue Family Stanford Educational Farm, 5/9/19; *Student Watercolor Workshop with Barbara Berrie and David Goodsell*, Stanford Roble Arts Gym, 2/22/19; *The Red and the Black: Art and Science of Iron-Bearing Ceramic Surfaces*, Stanford University, 10/5/17-10/11/17

Curating/Organizing

Text Machines: Scarlet Thread of the Digital Order (1883-2026) (with Clarissa Daniel, Tien Chiu, and Robert J. Tuck) Stanford University Green Library Hohbach Hall, 5/6/26-12/22/26; *Form in Formation*, NCECA 2025 featured exhibition (with Molly Altman, Kelly Connole, Eva Kwong, Sarah Logan, Hitomi Shibata, Juliane Shibata, Takuro Shibata and Megan Thomas); *Sown*, NCECA 2022 concurrent exhibition (with Ashwini Bhat, Cara Faye Earl, Saly Lee, Cathy Lu, Hitomi Shibata, Takuro Shibata and Ibrahim Said); *Hand and Eye: Contemporary Reflections of East Asian Ceramic Traditions* (with Ellen Huang and Tiger Zhou), Stanford University East Asia Library, 9/10/18-12/14/18; *In the Surface: Material Expressions of Iron-Bearing Ceramics* (with Christina Hodge), Stanford University Archaeology Center, 5/15/18-1/31/19

Solo/Few-Person Shows

strangesong – Micki Meng Chinatown (San Francisco, CA) 6/18/26-7/31/26; *Grounding* with Gregory Hamilton Miller (organizer) and Josh Copus, Zach Sierke, John Neely, Janne Hieck, Anne Mette Hjortshøj, and Ann-Charlotte Ohlsson, Clay Museum of Ceramic Art (Denmark) 3/1/24-9/1/24 & Vendsyssel Kunstmuseum (Denmark) 10/5/24-1/26/25; *Mud works and other related appendages* with Thomas Campbell (organizer) and Simone Shubuck, Minnow Arts (Santa Cruz, CA) 10/6/23-10/29/23; Right Window Gallery (San Francisco, CA) 12/3/22-12/31/22; *Colorspace Open Studio* with Judy Pfaff – Judy Pfaff Studio (Tivoli, NY) 9/17/22-9/18/22; *Involution* – South Texas College Library Art Gallery (McAllen, TX) 4/12/21-7/30/21

Invitational Group Exhibitions

Wild Clay (John Reinking and Marg Diaz), Arts Council of Princeton (Princeton, NJ) 3/21-4/18/26; *Five Year Anniversary Show*, Mick Meng Gallery/Bayview (San Francisco, CA); *Grounding vol. 3 "An Ode to our Logbooks"* (Ann-Charlotte Ohlsson and Anne Mette Hjortshøj), Bornholms Keramikmuseum, Hjorths Fabrik (Rønne, Denmark) 2/7/25-12/23-25; *Cobb Mountain Art & Ecology Project,* Alpha Fired Arts (Sacramento, CA) 3/18/25-5/3/25; *Cut From The Same Cloth: Textile & Technology* (Christine Duval), Palo Alto Art Center (Palo Alto, CA) 1/18/25-4/6/25; *Playing it Cool* (Seth Green), Red Lodge Clay Center (Red Lodge, MT) 10/7/22-10/29/22; *EnVision: a Woodfire Invitational,* STARworks (Star, NC) spring 2022; *Hand and Eye: Contemporary Reflections of East Asian Ceramic Traditions*, Stanford University, 9/10/18-12/14/18; Presenters' exhibition for Cultural Confluence Wood Fire Symposium, Archie Bray Foundation 10/15/18-10/19/18; speakers' exhibition for *The Red and the Black: Art and Science of Iron-Bearing Ceramic Surfaces*, Stanford University 10/8/17; *Atmospheric firings* (Joann Humphrey), Oddfellows Gallery (Mendocino, CA) 9/1/15-9/29/15

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Juried Exhibitions

Summer 2024 VPA and Art & Art History Staff Exhibition (Gabriel Harrison, Xiaoze Xie, and Maggie Dethloff), Stanford Art Gallery (Stanford, CA) 7/23/24-8/16/24; 2022 *Seismic State: California Ceramics* (Beth Ann Gerstein), Sparrow Gallery (Sacramento, CA) 3/11/22-4/1/22; *2021 Off-Center International Ceramics Competition* (Magdolene Dykstra), Blue Line Arts (Roseville, CA) 5/21/21-7/10/21; *2021 Playing with Fire: Altered Atmospheres* (Mark Shapiro), Saratoga Clay Arts Center (Schuylerville, NY) 3/13/21-4/24/21; *2020 Off-Center International Ceramics Competition* (Jason Walker), Blue Line Arts (Roseville, CA) 7/31/20-9/12/20; *Materiality* (Hannah Andrews) international online group show posted 7/5/20; *2020 Craft Nouveau* (Holly Jerger), Blue Line Arts (Roseville, CA) 1/3/20-3/7/20; *2019 Off Center International Ceramics Competition* – 3rd place award (Joshua Green), Blue Line Arts (Roseville, CA) 4/5/19—5/18/19; *2019 Crocker-Kingsley Competition* (David Pagel), Blue Line Arts (Roseville, CA) 1/11/19—2/23/19; *2016 California Clay Competition at The Artery* (Brian Tanner), The Artery of Davis (Davis, CA) 4/29/16-5/27/16; *Gems III* (Ruth Santee), Arts Benicia (Benicia, CA) 12/2/15-12/20/15; *Microcosmos* (Chester Arnold), Gallery 621 (Benicia, CA) 10/29/15-11/29/15; *Fragments: the Art of Collage and Assemblage* (Robert-Jean Ray), Arts Benicia (Benicia, CA) 7/29/15-9/9/15; *Fusion* (Olivia Ongpin), Arc Gallery (San Francisco, CA) 5/2/15-6/20/15; *Form & Function: Art for Living* (Kate Eilersten), Arts Benicia (Benicia, CA) 12/4/14-12/21/14; *Watertight: OVCAG Member Exhibition* (Julia Feld), Olive Hyde Gallery (Fremont, CA) 10/24/14-11/22/14