

Hideo Mabuchi

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Education

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

Residencies

- 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

Professional Activities (selected)

Stanford University Program in Ceramic Art, Science and Culture (2015-); 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); Panelist, Greenwall Foundation's *Gene Patents, Scientific Inquiry, and the Cultural Imagination* (11/05)

Teaching (selected)

Studio: *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, Stanford University).
Classroom: APPPHYS100Q, *Indigo* (summer 2021, Stanford); ARTHIST206/406, *The Alchemy of Art: Substance and Transformation in Artistic Practice* (winter 2021, Stanford, with Fabio Barry); APPPHYS100B, *The Questions of Cloth: Weaving, Pattern Complexity and Structures of Fabric* (autumn 2020, Stanford); APPPHYS189, *Physical Analysis of Artworks* (winter 2020, Stanford); ANTHRO/APPPHYS188, *Matter and Mattering: Transdisciplinary Thinking About Things* (winter 2019, Stanford, with Ian Hodder); OSPKYOTO18, *Ceramic art and technology, from ancient to modern* (spring 2018, Stanford BOSP); APPPHYS100, *The Questions of Clay: Craft, Creativity and Scientific Process* (spring 2016 and winter 2017, Stanford); graduate courses in quantum engineering at Stanford University; graduate and undergraduate courses in quantum mechanics, classical mechanics, thermodynamics, and feedback control theory at Caltech.

Public Speaking on Art/Science/Ceramics

- 2022 Envision: Woodfire NC conference (panelist and lecturer)

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- 2021 National Council on Education for the Ceramic Arts Annual Conference (lecturer)
- 2019 Bard Graduate Center *What is Research?* series (panelist)
- 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, Waubensee 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/Ceramics

- “The Art and Science of Knowing Things,” to appear in *Craft in the Laboratory: The Science of Making Things*, Rebecca Elliot editor (D Giles Ltd, forthcoming)
- “Function and Metaphor,” to appear in NCECA Journal (2021)
- “Materiality, Process, Critique,” NCECA Journal **39**, 170-172 (2018)

Workshops/Events Organized (arts-related)

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

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

Art and Science Solo Exhibition

South Texas College Library Art Gallery (McAllen, TX) 4/1/21-7/30/21

Ceramics Juried Exhibitions

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

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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

Ceramics Group Exhibitions

EnVision: a Woodfire Invitational, STARworks (Star, NC) 4/15/21-7/1/21; *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; invited 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