

Maria Ong, Ph.D.

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Professional Preparation

Swarthmore College	Soc/Anth	B.A., High Honors	1994
University of California - Berkeley	Education	Ph.D.	2002
Wellesley College	Sociology	Post-Doc	2002-3
Harvard University	Education	Post-Doc	2003-5

Appointments

The Advisory Committee for Social, Behavioral, and Economic Sciences. Member of the external panel that evaluates and advises the SBE Directorate. 10/09 – 1/11

The Committee on Equal Opportunities in Science and Engineering (CEOSE). Member of the Congressionally-mandated advisory committee to the National Science Foundation. 2/08 – 1/11

The Advisory Committee for GPRA Performance Assessment (AC/GPA). Member of the external expert review panel that evaluates the achievement of NSF's long-term strategic goals. 1/09 – 12/09

The National Center for Women & Information Technology (NCWIT). Member of the Social Science Advisory Board (SSAB) and SSAB Consulting Service. 3/08 – present

TERC, Education Research Collaborative. Project Leader/Researcher for two NSF-funded projects, 9/06 – present. Director, Diversity Resource Group; Co-Leader, Evaluation Group, Member, Diversity Council, 1/07 – present; Member, Chèche Konnen Center, 8/08 - present

The Civil Rights Project at UCLA, The Project for Science and Engineering Equity and Diversity (Project SEED). Founder and Director of initiative for racial and gender equity in STEM fields. 8/05 - present

Harvard Graduate School of Education. Education Postdoctoral Fellow and Instructor. Advised three female Master's students and taught "Social Inequality and Schools." 9/03 - 6/05

Wellesley College, Sociology Department. Consortium for a Strong Minority Presence in Liberal Arts Colleges Postdoctoral Fellow and Instructor. Taught "Gender, Science, and Technology." 8/02 - 6/03

Member, U.C. Berkeley Coalition for Excellence and Diversity in MSE. Coordinated NSF/AMP-sponsored Physics Scholars Program. Co-received the U.S. Presidential Award for Excellence in SME Mentoring (1998). 6/96 – 5/00

Publications

(i) Publications most closely related to the proposed project

Ong, M. (2008). "Challenging Cultural Stereotypes of 'Scientific Ability.'" In *Everyday Antiracism: Getting Real about Race in School*, edited by M. Pollock. New York: New Press.

Ong, M. (2007). "Sowing the Seed of Diversity." *Interactions across Physics and Education*, 37(3), 26-27.

Ong, M. (2005). "Understanding the Dearth of Women in Science," *Harvard Community Resource*, 7/1, 3.

Ong, M. (2005). "Body Projects of Young Women of Color in Physics: Intersections of Gender, Race, and Science." *Social Problems*, 52(4), 593-617.

Ong, M. (2001). "Playing with In/Visibility: How Minority Women Gain Power from the Margins of Science Culture," in *Women in Higher Education*, 10(11), 42-44.

(ii) Other significant publications

- Laughlin, C., Zastavker, Y. V., & Ong, M. (2007). "Is Integration Really There? Students' Perceptions of Integration in their Project-Based Curriculum." 37th ASEE/IEEE Frontiers in Education Conference (Proceedings). Milwaukee, WI.
- Zastavker, Y.V., Ong, M., & Page, L. (2006). "Women in Engineering: Exploring the Effects of Project-Based Learning in a First-Year Undergraduate Engineering Program." 36th ASEE/IEEE Frontiers in Education Conference (Proceedings). San Diego, CA.
- Budil, K. S., Daniels, K. E., Daniels-Race, T., Eblen-Zayas, M., Hartline, B. K., Hazeltine, R., Hodari, A. K., Horton, K. R., Ivie, R., Kay, L. Martínez-Miranda, L. J., Michelman-Ribeiro, A., Ong, M., Rudati, J. I., Valentine, J., Whitten, B., Williams, E., & Zastavker, Y. V. (2005). "Women in Physics in the United States: A Progress Report." In *Women in Physics: Second IUPAP International Conference on Women in Physics*, edited by B. K. Hartline and A. Michelman-Ribeiro. Melville, NY: American Institute of Physics (Conference Proceedings 795), 175-178.

Synergistic Activities

- Principal Investigator of NSF/REESE Projects (DRL-0635577), "Inside the Double Bind: A Synthesis of Literature on Women of Color in STEM," 10/06 – present, and (DRL-0909762), "Beyond the Double Bind: Women of Color in STEM," 8/09 – present.
- Principal Investigator of NSF/OIA Conference Grant (# 0953861), "Mini-Symposium on Women of Color in STEM," 9/09 – present. Event took place 10/27-28/09, Arlington, VA.
- Co-Principal Investigator of NSF/GSE Project (# 0624738), "Does Project-Based Learning Matter to Undergraduate Women in Engineering?" Co-conducted research on effects of STEM teaching and curricula on women in engineering programs. 9/06 – 8/09
- External Evaluator of the NIH Minority Undergraduate Biomedical Education Program at City College New York (CUNY), "A National Urban Model for Minority Undergraduate Biomedical Education." 3/05 – 6/09
- United States Delegate, NSF, 2nd *International Union of Pure and Applied Physics International Conference on Women in Physics*, Rio de Janeiro, Brazil. Attended and reported on conference. 5/05 – 8/06

Collaborators & Other Affiliations

- Collaborators: TERC: Bang, Megan; Hobbs, Kathryn; Le, Quang; Lee, Soo-Young; Obuchowski, Jon; Patton, Kimberly; Pokress, Shaileen; Robillard, Tara; Wright, Carol; UCLA: Orfield, Gary; UC Berkeley: MacLachlan, Anne; Georgia Tech: Leggon, Cheryl; Olin College: Zastavker, Yevgeniya; CNA Corp.: Hodari, Apriel
- Current Advisor/Mentor: Rosebery, Ann, TERC; Former Advisors and Postdoctoral Sponsors: Drayton, Brian, TERC; Falk, Joni, TERC; Traweek, Sharon, UCLA; Imber, Jonathan, Wellesley College; Lawrence-Lightfoot, Sara, Harvard GSE; Luttrell, Wendy, Harvard GSE; Stack, Carol B. (emeritus), UC Berkeley
- Advisor and Scholar Sponsor (Total: 3 Master's): Altuna, Jacklyn; Hall, Emily; and Mora, Patricia, Harvard GSE; Total number of postdoctoral scholars sponsored: 0
- Students: Olin College: Baca, Julie; Bernal-Ostos, Juliana; Canfield, Casey; Cummings, Kathleen; Laughlin, Charleen; Lee, Alison; Miller, Katarina; Munson, Sean; Trzakovich, Alex; Tsai, Janet; Harvard GSE: Blair, Elizabeth; Farrell, Kathleen; Miller, Rebecca; Boston U.: Bath, Christine; DeCarvalho, William; Edine, Nicole; Kim, Shana; McQuaid, James; Tufts University: Donovan, Pamela; Boston College: Fraczek, Margo; UCLA: Espinosa, Lorelle.