

BARBARA OAKLEY, PhD, PE

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EDUCATION

Ph.D. Systems Engineering, Oakland University, 1998 | M.S. Electrical & Computer Engineering, Oakland University, 1995 | B.S. Electrical Engineering, University of Washington, 1986 | B.A. Slavic Languages & Literature, University of Washington, 1977

ACADEMIC POSITIONS

Distinguished Professor, Oakland University (2014–present) | Visiting Scholar, UC San Diego (2014–present) | Associate Professor (2004–2014) | Assistant Professor (1998–2004)

RESEARCH & TEACHING INTERESTS

STEM education & learning science | Cognitive science in education | Engineering & systems thinking in education

SELECTED HONORS & AWARDS

McGraw Prize for Lifelong Learning (2023) | IEEE William E. Sayle II Award for Achievement in Education (2020) | Michigan Distinguished Professor of the Year (2018) | Fellow, IEEE (2018) | Fellow, AIMBE (2009)

KEY PUBLICATIONS

Books: *A Mind for Numbers* (NYT bestseller, 1M+ copies), *Learning How to Learn*, *Mindshift, Uncommon Sense Teaching* | **Journal Articles:** Published in *PNAS*, *npj Science of Learning*, *IEEE Transactions on Education*

ONLINE COURSES & MOOCS

Learning How to Learn (5M+ students) | Mindshift | Uncommon Sense Teaching (specialization with 3 courses) | Learn Like a Pro | Accelerate Your Learning with ChatGPT | Critical Thinking: A Brain-Based Guide for the ChatGPT Era (specialization with 4 courses)

SELECTED SPEAKING ENGAGEMENTS

Harvard | Yale | Princeton | MIT | University of Tokyo | Google | Microsoft | Novartis | Defense Language Institute | Baidu | Kyiv School of Economics | US National Academy of Sciences | Oxford University

PROFESSIONAL SERVICE

Fellow, IEEE & AIMBE | Editorial & review work for multiple journals | Keynote speaker and consultant on education & learning sciences