

Stanford



Hyongsok Tom Soh

Professor of Radiology (Early Detection), of Electrical Engineering and, by courtesy, of Chemical Engineering and of Bioengineering

CONTACT INFORMATION

- **Administrative Contact**

Mr. Dashiell Corbett - Admin Assistant

Email dashielcorbett@stanford.edu

Bio

BIO

Dr. Soh received his B.S. with a double major in Mechanical Engineering and Materials Science with Distinction from Cornell University and his Ph.D. in Electrical Engineering from Stanford University. From 1999 to 2003, Dr. Soh served as the technical manager of MEMS Device Research Group at Bell Laboratories and Agere Systems. He was a faculty member at UCSB before joining Stanford in 2015. His current research interests are in analytical biotechnology, especially in high-throughput screening, directed evolution, and integrated biosensors.

ACADEMIC APPOINTMENTS

- Professor, Radiology
- Professor, Electrical Engineering
- Professor (By courtesy), Chemical Engineering
- Professor (By courtesy), Bioengineering
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Faculty Fellow, Stanford ChEM-H
- Member, Wu Tsai Neurosciences Institute

HONORS AND AWARDS

- Fellow, National Academy of Inventors (NAI) (2017)
- Investigator, Chan-Zuckerberg Biohub (2017)
- Fellow, American Institute for Medical and Biological Engineering (AIMBE) (2014)
- Humboldt Fellowship, Alexander von Humboldt Foundation (2012)
- Edward Nagy Award, NIH (2011)
- Guggenheim Fellowship, John Simon Guggenheim Foundation (2010)
- Directors Transformative Research Award (TR01), NIH (2009)

- The Innovator Award, Society for Laboratory Automation and Screening (2009)
- Beckman Young Investigator Award, Arnold and Mabel Beckman Foundation (2005)
- ONR Young Investigator Award, Office of Naval Research (2004)
- World's Top 100 Young Innovator Award (TR100), MIT Review (2002)

PROGRAM AFFILIATIONS

- Stanford SystemX Alliance

PROFESSIONAL EDUCATION

- Ph.D., Stanford University , Electrical Engineering (1999)
- M.S., Stanford University , Electrical Engineering (1995)
- B.S., Cornell University , Mechanical Engineering and Materials Science and Engineering (Double Major) (1992)

LINKS

- H.T. Soh Research Lab: <https://sohlab.stanford.edu>

Teaching

COURSES

2018-19

- Analytical Methods in Biotechnology: EE 235 (Win)

2017-18

- Analytical Methods in Biotechnology: EE 235 (Spr)

STANFORD ADVISEES

Doctoral Dissertation Reader (AC)

Punnag Padhy

Postdoctoral Faculty Sponsor

Kaiyu Fu, Amani Hariri, Dehui Kong, Xizhen Lian, Jing Pan, Mahla Poudineh, Alexandra Rangel, Liqin Zhang, Liwei Zheng

Doctoral Dissertation Advisor (AC)

Sharon Newman, Leighton Wan

Doctoral (Program)

Sarah Hooper, Asir Intisar Khan, Michael Silvernagel