

# Harold Y. Hwang

Shadi and Omid Farokhzad Professor in the School of Humanities and Sciences  
Department of Applied Physics, Stanford University  
Department of Photon Science, SLAC National Accelerator Laboratory  
McCullough Bldg. Rm. 344, 476 Lomita Mall, Stanford, CA 94305  
hyhwang@stanford.edu

## RESEARCH INTERESTS

Condensed matter and materials physics: correlated electrons and emergent phenomena in quantum materials; heterostructures for energy applications and devices.

## EDUCATION

1997 PhD in Physics, Princeton University.  
1993 BS in Physics, BS and MS in Electrical Engineering, Massachusetts Institute of Technology.

## POSITIONS

2010-present Professor, Department of Applied Physics, Stanford University, and Department of Photon Science, SLAC National Accelerator Laboratory.  
2020-present Director, SLAC Materials Science Division, and Stanford Institute for Materials and Energy Sciences.  
2021-present Senior Fellow, Precourt Institute for Energy, Stanford University.  
2011-2020 Deputy Director, Stanford Institute for Materials and Energy Sciences.  
2010-2014 Team Lead, Correlated Electron Research Group, RIKEN, Wako, Japan.  
2003-2010 Associate Professor and Professor, Department of Applied Physics and Department of Advanced Materials, University of Tokyo.  
1996-2003 Member of Technical Staff, Department of Materials Physics Research, Bell Laboratories, Murray Hill, NJ.

## PUBLICATIONS

<https://scholar.google.com/citations?user=IYErUdgAAAAJ&hl=en&oi=ao>

## HONORS

2024 Elected member, National Academy of Sciences.  
2024 Elected member, American Academy of Arts and Sciences.  
2024 James C. McGroddy Prize for New Materials, American Physical Society.  
2014 Europhysics Prize (with Jochen Mannhart and Jean-Marc Triscone).  
2013 Ho-Am Prize (Science).  
2011 Elected fellow, American Physical Society.  
2008 IBM Japan Science Prize (Physics).  
2005 Materials Research Society Outstanding Young Investigator Award.