

# Harold Y. Hwang

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## 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.