



Shan X. Wang

PROFESSOR OF MATERIALS SCIENCE AND ENGINEERING AND OF ELECTRICAL ENGINEERING AND, BY COURTESY, OF RADIOLOGY (MOLECULAR IMAGING PROGRAM AT STANFORD)

Web page: http://web.stanford.edu/group/wang_group/

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Bio

Wang is engaged in the research of nanotechnology and information storage, including magnetic/spintronic biochips, in vitro diagnostics, cell sorting, magnetic nanoparticles, nano-patterning, spin electronic materials and sensors, as well as magnetic integrated inductors and transformers. His research group utilizes modern thin film techniques, lithography, and nanoengineering to devise tailorable materials and devices with novel properties and desirable performances for practical applications. He has over 270 publications, and holds 59 patents (issued and pending), and is an author of the textbook entitled Magnetic Information Storage Technology, and is working on another entitled Biochips and Medical imaging. He was elected a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) and a Fellow of the American Physical Society (APS) for his seminal contributions to magnetic materials and nanosensors.

Academic Appointments

Professor, Materials Science and Engineering

Professor, Electrical Engineering

Professor (By courtesy), Radiology - Rad/Molecular Imaging Program at Stanford

Member, Bio-X

Member, Cardiovascular Institute

▶ All Academic Appointments (10)

Administrative Appointments

Associate Chair, Department of Materials Science and Engineering (2014 - Present)

Honors & Awards

Leland T. Edwards Professor, Stanford University (2018)

Bold Epic Innovator Award (Co-Winner), XPRIZE Foundation (2017)

Nokia Sensing XCHALLENGE Distinguished Award, XPRIZE Foundation (2014)

Faculty Award, IBM (2013-4)

Faculty Fellow, Stanford Center at Peking University (SCP KU) (2013)

▶ All Honors & Awards (11)

Professional Education

PhD, Carnegie Mellon University, Electrical and Computer Engineering (1993)

Community and International Work

- ▶ Fellow, Center for Innovation in Global Health (CIGH), Asia, Africa, America

CONTACT

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