

# ZHENAN BAO

Stanford University, Department of Chemical Engineering  
Stanford, California



**Title of Lecture:** “Designing Skin-Inspired Organic Electronic Materials”

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**Education:**

1995 Ph.D., Chemistry, University of Chicago

1993 M.S., Chemistry, University of Chicago

**Research and Professional Experience**

- 2016 - present K.K. Lee Professorship, Department of Chemical Engineering, Stanford University
- 2016 - present Founder and Director, Stanford Wearable Electronics Initiative (eWEAR)
- 2012 - present Professor, Department of Chemical Engineering, Stanford University
- 2012 - present Professor by courtesy, Department of Chemistry, Stanford University
- 2012 - present Professor by courtesy, Dept. of Materials Science and Engineering, Stanford University
- 2004 - 2012 Associate Professor, Department of Chemical Engineering, Stanford University
- 2016 - present Founder, Board of Directors, PyrAmes
- 2010 - present Founder, Board of Directors, C3 Nano Co.
- 2001 - 2004 Materials Research Department, Bell Labs, Lucent Technologies
- 1995 - 2001 Polymer and Organic Materials Research Department, Bell Labs, Lucent Technologies

**Awards**

- American Chemical Society (ACS) Applied Polymer Science Award, 2017
- L’Oreal UNESCO Women in Science Award in Physical Science, 2017
- Member, National Academy of Inventors, 2017
- Member, National Academy of Engineering, 2016
- Andreas Acrivos Award for Professional Progress in Chemical Engineering, American Institute of Chemical Engineers (AIChE), 2014
- MRS Fellow, Materials Research Society, 2014
- American Chemical Society (ACS) Carl S. Marvel Creative Polymer Chemistry Award, 2013
- Top 100 Materials Scientists, Ranked by Citation Impact by Thompson Reuters, ranging from 2000-2010
- AAAS Fellow, American Association for Advancement of Science, 2012
- Arthur C. Cope Scholar Award, ACS, 2011
- ACS Fellow, 2011
- The Royal Society of Chemistry Beilby Medal and Prize, 2009
- National Science Foundation (NSF) American Competitiveness and Innovation Fellow (ACIF), 2009
- Polymer International IUPAC Polymer Prize, 2008
- Sloan Research Fellow, 2006
- 3M Faculty Award, 2005
- DuPont Science and Technology Award, 2005
- MIT TR-100 by MIT Technology Review magazine as one of the top 100 young innovators for this century, September 2003
- National Academy of Engineering as Top 100 Young Engineers, 2000

**Research Interests**

Design and synthesis of organic electronic materials, self-healing materials, stretchable electronic materials, polymers for energy storage, flexible electronics for wearable electronics, robotics and medical applications.