



# Nan Zhou

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Dr. Zhou is a Senior Scientist at Lawrence Berkeley National Laboratory. She has led many international programs at LBNL on energy efficiency and greenhouse gas mitigation, often focused on China. Dr. Zhou is currently the Technical Program Manager for the Net Zero World Action Center, an initiative launched by the U.S. government to work with countries to implement their climate ambition pledges and accelerate transitions to net zero, resilient, and inclusive energy systems. In addition, Dr. Zhou is a Lead Author of the chapter on Mitigation and Development Pathways of the recently-released Intergovernmental Panel on Climate Change (IPCC) Working Group III Sixth Assessment Report on Mitigation of Climate Change. Dr. Zhou is a co-chair of the Academic Advisory Committee of California-China Climate Institute and a Senior Scholar at the Renewable and Appropriate Energy Laboratory at the University of California-Berkeley. Dr. Zhou is one of the two U.S.-designated Advisory Board Members of the Asia Pacific Energy Research Centre under the Asia Pacific Economic Cooperation (APEC) and a Council member for Global Future Council of the World Economic Forum. Dr. Zhou served as the Deputy Director (2010-2012) and the Director (2012-2021) of the \$100M presidential bilateral U.S.-China Clean Energy Center-Building Energy Efficiency (CERC-BEE) program. As the U.S. Director of CERC-BEE, Dr. Zhou led the team involving many researchers from different national laboratories (Lawrence Berkeley National Laboratory, Oak Ridge National Laboratory), universities (Massachusetts Institute of Technology, University of California Davis), and industry partners such as Dow Chemical, DuPont, BASF, Johnson Controls, and Schneider. Under her leadership of this complex, dynamic program, the team has had notable achievements in building energy efficiency and the construction industry and has earned awards for numerous technological breakthroughs and innovations. The team has produced 17 new products, 20 new copyrighted software tools, and 84 peer-reviewed publications to advance building energy performance. The team has been awarded R&D 100 Awards in 2013 and 2016, a 2016 Gold Edison Award, a 2018 Best of Design Award for Digital Fabrication, and a 2019 Keeling Curve Prize Honorable Mention.

Dr. Zhou's expertise includes integrated energy system and emission modeling, energy efficiency for end use sectors in buildings, appliances, industry and transport; and on microgrids/distributed energy resources as well as low carbon/smart city development. Prior to LBNL, she was an assistant professor in two universities in Japan for four years. She has more than 280 publications, including ones published in Nature Energy and Nature Communications.

- About: <https://eta.lbl.gov/people/nan-zhou>