Stanford



He Shan

Postdoctoral Scholar, Energy Science and Engineering

Bio

BIO

He Shan obtained a joint Ph.D. in Energy and Engineering Thermophysics from Shanghai Jiao Tong University and National University of Singapore. His research focuses on functional soft materials and thermal engineering design for water-energy systems. Working with his supervisor, Prof. Ruzhu Wang, he studies atmospheric water harvesting systems that extract clean water from arid air. His work includes developing a thermodynamic framework for hygroscopic materials and proposing new cyclic operating principles for water harvesting systems. These advances have been translated into a spin-off company and demonstrated in real arid climates. He received his M.S. from Chongqing University and was awarded the Shanghai Jiao Tong University Academic Star in 2023.

STANFORD ADVISORS

- Carlos Diaz Marin, Postdoctoral Faculty Sponsor
- Ilenia Battiato, Postdoctoral Research Mentor

LINKS

- LinkedIn: https://www.linkedin.com/in/he-shan-5a987730a/