

## Wenhua Yu, Ph.D.

Argonne National Laboratory  
Energy Systems Division  
9700 South Cass Avenue, Building 212  
Argonne, IL 60439  
phone: 630/252-7361, fax: 630/252-5568  
e-mail: [wyu@anl.gov](mailto:wyu@anl.gov)

### Professional Experience

- **1998-Present.** Argonne National Laboratory
  - 2001-Present. Assistant Mechanical Engineer in the Energy Technology Division
  - 1998-2001. Visiting Scholar in the Energy Technology Division
- **1984-1998.** Assistant Professor at Zhejiang University; Hangzhou, China

### Education

- PhD, Mechanical Engineering, Zhejiang University; Hangzhou, China, 1995
- MS, Mechanical Engineering, Zhejiang University; Hangzhou, China, 1984
- BS, Mechanical Engineering, Zhejiang University; Hangzhou, China, 1982

### Research Interests

- Phase-change heat transfer
- Two-phase flow in small channels
- Biomedical engineering
- Nanofluid characterization
- Supercritical fluids
- Multiport cylinder dryers
- Nucleate-boiling engine cooling systems
- Nanofluid characterization
- Supercritical heat transfer

### Awards

- Who's Who in Science and Engineering 2005-2006, 8th Edition, Marquis, New Providence, New Jersey (2004)
- Received the 2003 TAPPI Pulp Manufacturing Division Award for Best Department of Energy Project, Development of Multiport Dryer Technology for the Forest Products Industry (2004)
- Received six of the Zhejiang Provincial Natural Science Paper Awards (1994-1998)
- Received the Excellent Teaching Award, Department of Mechanical Engineering, Zhejiang University (1987-1988)

## **Professional Society Affiliations**

- Member, American Society of Mechanical Engineers
- Member, Society of Automotive Engineers
- Member, Zhejiang Measurement & Testing Society
- Member, Zhejiang Vibration Engineering Society

## **Publications & Patents**

- Author or co-author of 2 scientific books
- Author or co-author of 40+ scientific papers
- Patents
  - 1 U.S. patent, 2006
  - 5 Chinese patents, 1991-1997