



Zhao Yang

PSAM12 Speaker Bio

Research on Leakage and Fire Accidents of the Heating and Refrigerating Systems Charging with the Flammable Working Fluids

Short Statement: The first author

BIOGRAPHY

- **Name:** Zhao Yang
- **Title:** Professor, Doctorial tutor
- **Major:** Refrigeration and Heating Engineering
- **Organization:** Tianjin University
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- **Address:** No.92 Weijin Road, Nankai District, Tianjin City, P.R. China, 300072
- **Membership:** Member of International Institute of Refrigeration (IIR) Commission B1
- **Research fields:**



Thermodynamics and transfer processes,
Combustion /leakage characteristic and inhibition mechanisms of flammable refrigerants,
Technology of transforming and utilizing the lower enthalpy heat energy efficiently,
Research on the gas engine driven heat pump,
New substitution working fluids in dynamic and refrigeration cycle,
Ventilation technology of metro,
Heat and mass transfer mechanisms in fruit, vegetable and seeds.

- **Research achievement:**

In the recent four years, thanks to the support of the National Natural Science Foundation of China, Hi-tech Research and Development Program of China, Research Fund for the Doctoral Program of Higher Education of China, Science and Technology Project of Tianjin City, etc., more than twenty academic papers have been published in international journals, and most of them have been cited by others. More than ten invention patents/utility patents have been applied. A software copyright was obtained. Also engaged in writing the book named *Energy Efficiency Research*, and writing book named *Energy and Environment Technology* as the chief author.