



## **Professor Hossein Shokouhmand**

### **Research Interests**

- Study of heat transfer in various equipments
- Design of heat exchangers
- Industrial and power plant boilers
- Thermodynamics of steam and gas turbines
- Convection heat transfer
- Conduction heat transfer
- Radiation heat transfer

### **Current Researches**

- Design and manufacture of solar dryers

### **Courses**

- Convection heat transfer
- Conduction heat transfer
- Radiation heat transfer
- Convection heat transfer
- Conduction heat transfer
- Radiation heat transfer

### **Selected Publications**

- H. Shokouhmand: "Local Heat Transfer Coefficient in Natural Convection Transition Region", Journal of Heat and Mass Transfer Vol. 2 No. 2, 1980
- H. Shokouhmand: "Effect of Variation of Physical Properties on Free Convection Through Constant Heat Flux Channel", Iranian Journal of Science and Technology, Vol. 2 No. 3, 1996
- H. Shokouhmand: "Performance Improvement of Single Flashing Binary Combines Cycle for Geothermal Power Plants", Int. Journal of Energy, Vol.22 No.7, 1997
- Heat and Mass Transfer Book
- H. Shokouhmand: "Determination of Heat Sources Temperature ", Faculty of Engineering' Journal, Vol.57, 1978
- H. Shokouhmand: "Numerical Analysis of Humid Air Heat and Mass Transfer ", Faculty of Engineering' Journal, Vol.58, 1997
- Power Plant, Boilers, Heat Exchangers