

IN THE NAME OF GOD

BRIEF INTRODUCTION TO MR. SALEM BANOONI

Personal Information

- Name: **Salem Banooni**
- Residence: **Tehran- Iran**



Interests Fields

- **Transport Phenomena**
- **Impingement Heat Transfer**
- **Bread baking Modeling**
- **CFD Methods**
- **Energy Management**

Education

- 2003 -
Ph.D. Student in Fluid Mechanics (Major : Energy Conversion), Iran University of Science & Technology (IUST), Tehran, Iran
Thesis: "**Experimental Study and Mathematical Modeling of Bread Baking in Hot Air Impinging Jets Medium**"
Advisor: **Dr. S. M. Hosseinalipour**
Coadvisor : **Prof. A. S. Mujumdar(from National University of Singapore (NUS))**
- 2001- 2003
M. Sc. in Fluid Mechanics (Major : Energy Conversion) , Iran University of Science & Technology (I.U.S.T), Tehran, Iran
Thesis: "**Modeling of Gas Turbine Efficiency Augmentaion by Fogging of Inlet Air "**
Advisor: **Dr. S. M. Hosseinalipour**
- 1997-2001
B.Sc. in Mechanical Engineering (Major : Fluid Mechanics), Iran University of Science & Technology (IUST), Tehran, Iran
Thesis: "**Designing of 100 KW Solar Power Plant With Parabolic Collectors "**
Advisor: **Dr. A. Hagsaghati**

Academic and Industrial Work Experience

- Faculty of Mechanical Engineering Department , Chamran University, Ahvaz, Khuzestan, Iran, from 2003
- Laboratory Assistant for the Combustion Lab, Iran University of Science & Technology , 2001-2002
- Laboratory Assistant for the CAE Lab, Iran University of Science & Technology , from Fall Semester 2002
- Teaching Areas: Thermodynamics , Heat Transfer , Power Plant , Energy Management and solar applications, Internal Combustion Engine Lab.
- Consultor in Energy Management in Asiawatt Eng. Co. ,Tehran, Iran, from Spring 2002

Publications

- " Mathematical Modeling of Simultaneous Heat and Mass Transfer in Iranian Bread During Baking, ISME, Esfahan, Iran, 2006
- " Energy Management in Imam Khomeini Sugar Cane", 1th Conference on Fuel Conversation in Industry, Iran, 2005
- "Solotions for Energy Conversation in Sugar & Beat Cane", 1th Conference on Fuel Conversation in Industry, Iran, June 2005
- "High Efficiency Burner in Industry",1th Conference on Fuel Conversation in Industry,Iran, 2004
- "Energy Management in Esfahan Refinery Residential Complex", 3th Conference on Fuel Conversation in Buidings, Iran, 2004
- "Solar Applications in Buildings", 3th Conference on Fuel Conversation in Buiding, Iran, 2004

Contact

- CAE lab - Mechanical Engineering Department - Iran University of Science & Technology - Tehran-Iran
- Email: banooni@iust.ac.ir
- Phone No. : +982173912944
- Mobile No. : +9809123885209