

HOOSHANG HAGHBIN  
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## OBJECTIVE

Seeking to obtain a teaching or research position

## EDUCATION

Ph.D. Physics, University of Colorado	Boulder, CO	1982
M.Sc. Physics, Indiana University	Bloomington, IN	1977
M.Sc. Physics, Pahlavi University	Shiraz, Iran	1973
B.Sc. Physics, Pahlavi University	Shiraz, Iran	1971

## ACADEMIC APPOINTMENTS

Sabbatical Leave, Rice University	1991
Sabbatical Leave, University of Colorado	1991
Professor of Physics, Pahlavi University 1982-1991	
Member of Graduate Committee, Pahlavi University 1982-1991	
Master/Ph.D Advisor, Pahlavi University 1982-1991	
Physics Department Chairman, Pahlavi University 1985-1986	
Research Assistant, University of Colorado 1977-1981	
Instructor of Physics, Pahlavi University 1973-1976	

## TEACHING EXPERIENCE

### Undergraduate:

General Physics; Halliday & Resnick  
Math & Physics; Arfken  
Analytical Mechanics; Fowles, Simon  
Electricity & Magnetism; Reitz & Milford, Panofsky  
Thermodynamics; Zemansky  
Statistical Mechanics; Reif

Nuclear Physics; Mayerhof, Enge  
Reactor Physics; Lamarsh

Graduate:

Electrodynamics; Jackson  
Nuclear Physics; Enge, Deshalit and Feshbach  
Relativistic Quantum Mechanics; Sakurai, Bjorken and Drell  
Statistical Mechanics; Pathria  
Group Theory; Tinkham

**RESEARCH ACTIVITIES**

Non-locality and Off-Shell Effects in Nuclear Optical Potential  
Nuclear Binding Energy Calculations  
Exact Formulation of the Electromagnetic Fields in Reentrant Cavities  
Formulation of the Electromagnetic Fields in the Reentrant Cavities; A Quasi-Static  
Approximation  
Analysis of Electromagnetic Fields in Klystron  
The Electromagnetic Fields in Helix TWT using Dyadic Green's Function  
Analysis on Vane-Type Magnetrons  
Thermodynamic Irreversibility  
Stability of White Dwarf Stars  
Nonlinear Problems and Chaos  
Wigner Distribution Function and its Applications  
Thermodynamics of Relativistic Fermions  
Variational Principal using Dirac Equation  
The Origin of Irreversibility  
Thermodynamics of Dense Bosons

**BUSINESS EXPERIENCE**

<i>Managing Partner (Retired)</i> Mr. Volt's Electric LLC	Denver, CO	2002-2011
<i>Owner &amp; Developer</i> Residential Development Project 313 Pumphouse Rd	Evans, GA	2006-2007
<i>Managing Partner</i> Briggs Street Bar and Grill LLC	Erie, CO	2004-2005
<i>Owner &amp; Developer</i> Residential Development Project 3948 Vale View Lane	Mead, CO	2001-2002

<i>Owner &amp; Developer</i> Commercial Real Estate Investment 10211 Ura Lane (2 Units)	Denver, CO	2001
<i>Managing Partner</i> Lil' Italy Italian Restaurant LLC	Erie, CO	1996-1999
<i>Owner &amp; Developer</i> Commercial Development Project 698 Briggs Street	Erie, CO	1996-1997
<i>General Manager</i> Blue Parrot Italian Restaurant	Louisville, CO	1991-1996
<i>Owner &amp; Developer</i> Residential Development Project 1275 Cressida Court	Lafayette, CO	1995-1996
<i>Owner &amp; Developer</i> Residential Development Project 779 North Hoover Road	Louisville, CO	1992-1993

#### **AWARDS & RECOGNITIONS**

Iranian Government Scholarship	1975-1980
Member of Organizing & Scientific Committee (Iran Annual Physics Conference)	1986
Member of Iran Physics Society	1982-1991

#### **RECENT INTEREST**

Physics, Engineering, Econo-physics and Eastern Philosophy