

## RESUME

### **ANIL R. CHOURASIA**

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Commerce, Texas, 75429.

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### **EDUCATION**

Ph.D. (Physics) Nagpur University, Nagpur, India (1986)  
Dissertation title : "X-ray Spectroscopic Investigation of some compounds of Germanium and Arsenic."

M.Sc. (Physics) Nagpur University, Nagpur, India (1978)

B.Sc. (Physics, Mathematics, Chemistry) Nagpur University, Nagpur, India (1975)

### **EXPERIENCE**

Professor (Fall 2006-Present)	Texas A&M University-Commerce Department of Physics
Acting Head (Jun 2004-May 2005)	Texas A&M University-Commerce Department of Physics
Associate Professor (2001 - Summer 2006)	Texas A & M University-Commerce Department of Physics
Assistant Professor of Physics (Non-tenure track) (1996 - 2001)	Texas A & M University - Commerce (Formerly known as East Texas State Univ) Department of Physics
Visiting Scientist:	National Research Institute for Metals, (Jan. 96 - March 96) Tsukuba, Japan (Extended X-ray Absorption Fine Structure (EXAFS) utilizing high intensity x-ray beam from modified rotating anode tube.)  Argonne National Laboratory, Illinois, Summer 1998.

Royal Melbourne Institute of Technology, Melbourne, Australia  
June - July, 2005

Adjunct Faculty:  
(1992 - 1996)  
Research Associate:  
(1985-90 & 91-95)  
Teaching:  
East Texas State University,  
Department of Physics  
East Texas State University,  
Department of Physics  
Teaching undergraduate and graduate courses in Physics; Guiding  
graduate and undergraduate students in research theses

Research:  
UHV Techniques  
Thin Film Deposition and Characterization using X-ray Photoelectron  
Spectroscopy, RHEED and Appearance Potential Spectroscopy  
Low temperature electrical resistivity, magnetoresistance, and Hall  
Effect.

Computer Experience: Familiar with Fortran, Basic, C++, DOS, UNIX, computer  
interfacing. Write my own application programs.

Research Scholar: Nagpur University, Nagpur, India (1979-1985). Analyzed the  
Extended X-ray Absorption Fine Structure (EXAFS) associated with  
the Ge K absorption discontinuity in the rare earth intermetallics of  
the type  $RG_{e2}$ . Studied the electronic structure of arsenic  
chalcogenides with the help of X-ray absorption spectroscopy.

## GRANTS

### Internal

Organized Research, A&M-Commerce	1997-98
TEES	1997
Organized Research, A&M-Commerce	2000-01
Organized Research, A&M-Commerce	2005-06

### External

*	NSF Project “NIRT-Molecular Nanomagnets: Magnetic and Electronic Properties of Novel Magnetic Nanostructures and Nanostructured Materials” (\$ 7000)	Summer 2003 Texas A&M Univ- College Station
*	Research Corporation “Chemical Reactivity at Hf/SiO <sub>2</sub> Interface”	2005-2007

(\$ 43,650)

- \* Welch Foundation,  
“Study of aluminum/titanium dioxide interface  
PI: A. R. Chourasia, \$ 63,356  
Feb. 2010, Not Funded
- \* National Science Foundation  
MRI Proposal, “Acquisition of X-ray Diffractometer”  
PI: A. R. Chourasia, Co-PI: B. Jang \$ 310,000  
April 2010, Not Funded
- \* The Welch Foundation  
“Chemical Interaction and Transport Properties of M/CuO Interface”  
\$ 86,856  
Feb. 2011, Not Funded
- \* National Science Foundation  
MRI: Acquisition of an X-ray Diffractometer  
PI: A. R. Chourasia, Co-PI: B. Jang  
\$ 310,000  
January 2011, Not funded
- \* National Science Foundation  
MRI: Acquisition of an X-ray Diffractometer  
Co-PI: A. R. Chourasia  
\$ 310,000  
January 2015, Not funded

## **PROFESSIONAL MEMBERSHIPS**

American Physical Society

## **COMMITTEE SERVICES**

Departmental Graduate Co-ordinator  
Coordinator, Departmental Scholarship Committee  
Various Departmental and University Committees

## **EXTERNAL RESEARCH COLLABORATION**

The University of Arlington  
Royal Melbourne Institute of Technology, Australia

## **HONORS AND AWARD**

Listed in Who's Who Among America's Teachers (Educational Communications, Inc., Lake Forest, IL)	2000
Sigma Xi Research Award	1992
Robert A. Welch Foundation Fellowship	1991-1995
Robert A. Welch Foundation Fellowship	1985-1990
Junior & Senior Research Fellowship, Council of Scientific & Industrial Research, New Delhi, India	1979-1984
Open Merit Scholarship, Govt. of Maharashtra, India	1976-1978
Talent Development in Math, Govt. of Maharashtra	1972-1975

## **THESES**

### **Graduate**

Christi Emery	Summer 1998
Steve Hood	Spring 1999
Sangho Bae	Spring 2002
Tao Jiang	Fall 2002
S. H. McKinney	May 2003
Richard Miller	Summer 2006
Hong Dong	Summer 2009
Josh Edmondson	Spring 2011
Louis Pena	Spring 2015
Justin Seth Pearson	Spring 2017
Allen Hillegas	Summer 2022
Suleman	Summer 2025
Kelly Yegbe	Summer 2025
Jerry Sarpong	Summer 2025

### **Undergraduate (Honors Thesis)**

Richard Miller	May 2004
Jacob Stahl	April 2014
Darius Durant	Summer 2016
Miranda Martinez	Spring 2021