

RESUME

ANIL R. CHOURASIA

Professor
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East Texas A & M University
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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
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Acting Head (Jun 2004-May 2005)	Texas A&M University-Commerce Department of Physics
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Associate Professor (2001 - Summer 2006)	Texas A & M University-Commerce Department of Physics
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Assistant Professor of Physics (Non-tenure track) (1996 - 2001)	Texas A & M University - Commerce (Formerly known as East Texas State Univ) Department of Physics
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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.)
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Argonne National Laboratory, Illinois, Summer 1998.

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

Adjunct Faculty: East Texas State University,
(1992 - 1996) Department of Physics
Research Associate: East Texas State University,
(1985-90 & 91-95) Department of Physics
Teaching: 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 RGe₂. 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 ₂ 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