PROFESSOR GLENN AGNOLET **TEXAS A&M UNIVERSITY**

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EDUCATION:

Ph.D. & M.S. (Physics) Cornell University, 1980, 1983
B.S. with University Honors (Physics) Carnegie-Mellon University, 1976

POSITIONS HELD:

2001 - present	Professor of Physics, Texas A&M University
1992 - 2001	Associate Professor of Physics, Texas A&M University
1985 – 1992	Assistant Professor of Physics, Texas A&M University
1982 - 1985	Postdoctoral Research, AT&T Bell Laboratories, Murray Hill, New Jersey
1978 - 1982	Graduate Research Assistant, Cornell University
1976 - 1978	Teaching Assistant, Cornell University

MEMBERSHIP IN PROFESSIONAL SOCIETIES:

American Physical Society Tau Beta Pi

AWARDS:

Nelson M. Duller Endowment in Experimental Physics, 2009
Excellence in Teaching Award, Department of Physics Graduate Students, TAMU 2006, 2004, 2001 and 1999
AFS Distinguished Achievement Award for Teaching, Texas A&M University, 2003
AFS Distinguished Teaching Award, College of Science, TAMU 1990 and 1997
Presidential Young Investigator Award (PYI) 1985

RESEARCH:

Inelastic electron spectroscopy and low temperature STM studies of molecules on metallic and superconducting surfaces.
28 refereed publications 38 invited talks and presentations 38 contributed talks
19 grants from National Science Foundation, Robert A. Welch Foundation and the State of Texas Advanced Research Program ($ 1.5 M from single PI grants, $ 230 K from multi-PI grants)

COLLABORATORS:

C.M. Drain	Hunter College, New York, NY
J.D. Batteas	Texas A&M University, College Station, TX
F.A. Cotton	Texas A&M University, College Station, TX
K. Dunbar	Texas A&M University, College Station, TX
D.G. Naugle	Texas A&M University, College Station, TX
V.L. Pokrovsky	Texas A&M University, College Station, TX
J.H. Ross Jr.	Texas A&M University, College Station, TX
W. Teizer	Texas A&M University, College Station, TX
M.B. Weimer	Texas A&M University, College Station, TX
D.T. Zimmerman	Penn State University, Altoona, PA

FORMER ADVISORS:

D.D. Osheroff, Stanford University	Post-Doctoral Advisor
J.D. Reppy, Cornell University	Graduate Advisor

POSTDOCTORAL ASSOCIATES:

Xin Chen	March 2003 - August 2006
Zhiqiang Peng	January 2000 - December 2002
Shi Yin	August 1987 - December 1988

RECENT PUBLICATIONS:

"Characteristic crossing point ($T_* \approx 2.7K$) in specific heat curves of samples $RuSr_2Gd_{1.5}Ce_{0.5}Cu_2O_{10-\delta}$ taken for different values of magnetic field," BI Belevtsev, VB Krasovitsky, DG Naugle KDD Rathnayaka, G Agnolet, I Felner, Journal of Physics-Condensed Matter, **21**, 455602 (2009).

"Electric transport properties of Mn12-acetate films measured with self-assembling tunnelling junction", Lianxi Ma, Chi Chen, Glenn Agnolet, Jiacai Nie, Hanhua Zhao and Kim R Dunbar, J. Phys. D: Appl. Phys. **42** 095104 (2009).

"Transport, thermal and magnetic properties of $RuSr_2(Gd_{1.5}Ce_{0.5})Cu_2O_{10-\delta}$, a magnetic superconductor", D.G. Naugle, K.D.D. Rathnayaka, V.B. Krasovitsky, B.I. Belevtsev, M.P. Anataska, G. Agnolet, I. Felner, Journal of Applied Physics **99**, 08M501 (2006).

"Inelastic Electron Tunneling Spectroscopy Measurements Using Adjustable Oxide-Free Tunnel Junctions," D.T. Zimmerman and G. Agnolet, Reviews of Scientific Instruments **72**, 1781 (2001).

"An Adjustable Oxide-Free Tunnel Junction for Vibrational Spectroscopy of Molecules," D.T. Zimmerman, M.B. Weimer and G. Agnolet, Applied Physics Letters **75**, 2500 (1999).

COURSES TAUGHT AT TEXAS A&M UNIVERSITY:

PHYS 412/414 (Quantum Mechanics I&II)
PHYS 304/305 (E&M I&II)
PHYS 607 (Statistical Mechanics)
PHYS 408 (Thermodynamics and Statistical Physics)
PHYS 221 (Optics and Thermal Physics)

SYNERGISTIC ACTIVITIES (OUT OF A TOTAL OF 87):

"Low Temperature Physics Extravaganza," Banquet Lecture, Joint Spring 2011 Meeting of the Texas Section APS, Texas Section of the AAPT & Zone 13 of SPS, Nacogdoches, TX (March 4, 2011)

Low Temperature Demonstration for Texas Junior Science and Humanities Symposium (2011)

Physics Advisor, New Jersey Science and Engineering Festival 2010

Temperature Demonstration (2) for Big Physics Day (satellite event of the USA Science & Engineering Festival (transmitted to Clifton High School, NJ) (2010)

Low Temperature Physics Demonstrations for Chemistry Open House (2003 - 2012)

Low Temperature Physics Demonstration for Aggieland Saturday (2005 - 2011)

Low Temperature Demonstrations for Physics Festivals (2003 - 2012)

Low Temperature Demonstrations for Science Olympiad (2002).

Low Temperature Physics Demonstration for Texas Junior Science and Humanities Symposium (2002).

Low Temperature Physics Demonstrations for High School Students participating in the TAMU PreCollege Partnership Program / Summer Enrichment Program for 9th Graders (2001)

Low Temperature Physics Demonstrations for High School Students participating in the NASA Sharp Plus Program (2001)

"The Quest for Absolute Zero: Low Temperature Demonstations", Plenary Lecture at the 2000 Conference for the Advancement of Science Teaching (2000).