

JIANMIN QU

Professor

George W. Woodruff School of Mechanical Engineering

December 2008

I. EARNED DEGREES

Degree	Year	University	Field
Ph.D.	1987	Northwestern University	Theoretical and Applied Mechanics
M.S.	1984	Northwestern University	Theoretical and Applied Mechanics
B.S.	1982	Jilin University	Mathematics

II. EMPLOYMENT HISTORY

Title	Organization	Years
Associate Chair	GWWSchool of Mechanical Engineering	2007-present
Professor	Georgia Tech	2000-present
Associate Professor	Georgia Tech	1994-2000
Assistant Professor	Georgia Tech	1989-1994
Postdoctoral Fellow	University of Pennsylvania	1987-1989

III. TEACHING

A. Individual Student Guidance

Postdoctoral Fellows Supervised: 11

Ph.D. Students Supervised: 23

M.S. Thesis Students Supervised: 26

of Different Classes Taught at Georgia Tech: = 14

IV. SCHOLARLY ACCOMPLISHMENTS

Dr. Qu's research focuses on applying the theories of mechanics and mechanics of materials to various engineering applications including design and reliability analysis of microelectronic packaging, fracture and failure analysis of engineering materials under mechanical, thermal and electrochemical loadings, ultrasonic nondestructive evaluation and life prediction of engineering structures and components. He has authored/co-authored one book, nine book chapters and more than 100 refereed journal papers. These publications have been cited more than 1,000 times with an *h*-index of 20, according to Web of Science as of Dec. 2008.

VII. PROFESSIONAL HONORS AND AWARDS

- Visiting Professor, Technological University of Delft (TUD), The Netherlands, 2008 – 2009
- Outstanding Sustained Technical Contribution Award, Institute of Electrical and Electronics Engineers (IEEE), Components, Packaging, & Manufacturing Technology Society (CPMT), 2008
- Senior Member, Institute of Electrical and Electronics Engineers, 2007
- Sigma Xi Best Paper Award, 2007
- Sigma Xi Best M.S. Thesis Award (Co-Advisor for Christian Bermes), 2007
- ASME Electronic and Photonic Packaging Division Outstanding Contribution Award (Engineering Mechanics), 2006
- Changjiang Professorship, Beijing University, 2005 - 2008
- Associated Editor of the Year, ASME J. Electronic Packaging, 2003
- Sigma Xi Best M.S. Thesis Award (Co-Advisor for Jens Becker), 2003

- Visiting Professor, University of Metz, 2001 - 2002
- Outstanding Young Researcher Award, Natural Science Foundation of China, 2002
- Fellow, American Society of Mechanical Engineers, 2001
- Water Arbitration Prize, Institute of Mechanical Engineers, UK, 2001
- Sigma Xi Best M.S. Thesis Award (Co-Advisor for Thomas Meurer), 2001
- Sigma Xi Best Ph.D. Thesis Award (Co-Advisor for Christine Valle), 2000
- Woodruff Faculty Fellow, Georgia Tech, 1997
- Ralph R. Teetor Education Award, SAE, 1996
- Sigma Xi Young Faculty Award, 1994
- Dow Outstanding Young Faculty Award, ASEE, 1993
- Amoco Junior Faculty Teaching Excellence Award, Amoco Foundation, 1992
- Lilly Teaching Fellow, Lilly Endowment, 1992
- Research Initiation Award, Engineering Foundation, 1991
- Research Initiation Award, National Science Foundation, 1991