

## JIANMIN QU

Professor

George W. Woodruff School of Mechanical Engineering

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### 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
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: 10

Ph.D. Students Supervised: 18

M.S. Thesis Students Supervised: 24

### IV. RESEARCH

My 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. I have authored/co-authored one book, 8 book chapters, over 70 refereed journal papers and more than 110 papers in conference proceedings.

### V. PROFESSIONAL HONORS AND AWARDS

Outstanding Contribution Award (Engineering Mechanics), ASME/EPPD, 2006.  
Changjiang Professorship, Beijing University, 2005  
Associated Editor of the Year, ASME J. Electronic Packaging, 2003  
Sigma Xi Best M.S. Thesis Award (Co-Advisor for Jens Becker), 2003  
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 Dr. 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