



Reinhold H. Dauskardt

RUTH G. AND WILLIAM K. BOWES PROFESSOR IN THE SCHOOL OF ENGINEERING AND PROFESSOR, BY COURTESY, OF SURGERY

Materials Science and Engineering

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Bio

Dauskardt and his group have worked extensively on integrating new materials into emerging technologies including thin-film structures for nanoscience and energy technologies, high-performance composite and laminates for aerospace, and on biomaterials and soft tissues in bioengineering. His group has pioneered methods for characterizing adhesion and cohesion of thin films used extensively in device technologies. His research on wound healing has concentrated on establishing a biomechanics framework to quantify the mechanical stresses and biologic responses in healing wounds and define how the mechanical environment affects scar formation. Experimental studies are complimented with a range of multiscale computational capabilities. His research includes interaction with researchers nationally and internationally in academia, industry, and clinical practice.

Academic Appointments

Professor, Materials Science and Engineering

Professor (By courtesy), Surgery

Member, Bio-X

Affiliate, Precourt Institute for Energy

Affiliate, Stanford Woods Institute for the Environment

Member, Wu Tsai Neurosciences Institute

Honors & Awards

Visiting Professor, Nanyang Technological University (2016)

Ruth G. and William K. Bowes Professor, Stanford University (2013)

Henry Maso Award, The International Federation of Societies of Cosmetic Chemists (2011)

Shared University Research Award, IBM (2011)

Elected Fellow, ASM International (2010)

Structural Materials Distinguished Scientist/Engineer Award, The Metallurgical Society (2010)

University Researcher Award, Semiconductor Industry Association (2010)

Elected Fellow, American Ceramics Society (2008)

Multilevel Interconnection (VMIC) International Conference Award, VLSI/ULSI (2008)

Thin Film User Group Special Award, American Vacuum Society (2008)

Distinguished Speaker, Department of Materials Science and Engineering, Penn State (2006)

Faculty Award, IBM (2006)

International Silver Medal, ASM (2003)

Alexander von Humboldt Research Award, Alexander von Humboldt Foundation (2002)

Dana Adams Griffin Award, Stanford University (1994)

Outstanding Scientific Accomplishment Award in Ceramics and Metallurgy, U.S. Department of Energy (1989)

Professional Education

PhD, UC Berkeley/Witwatersrand (1988)

CONTACT

Academic

Dauskardt@stanford.edu

University - Faculty

Department: Materials Science and Engineering

Position: Professor

496 Lomita Mall, Durand Bldg., Rm. 121

Stanford, California 94305-4034

(650) 725-0679 (office)

(650) 725-4034 (fax)

Administrator

Yusong Rogers

Administrative Associate

ysrogers@stanford.edu

650-724-8867 (office)

ADDITIONAL INFO

Mail Code: 4034

Other Names: Reiner Dauskardt