

Behzad Bavarian, Professor

Department of Manufacturing Systems Engineering and Management
California State University, Northridge,
18111 Nordhoff St.

Northridge, CA 91330, Office: (818) 677-2167, Lab: 818-677-7746, Fax: (818) 677-6427

Email: bavarian@csun.edu, Website: <http://www.csun.edu/~bavarian>,
<http://www.csun.edu/~mscl>

a. Professional Preparation

Ph.D. Metallurgical Engineering, The Ohio State University

“Stress Corrosion Cracking of 403 Martensitic Stainless Steel and its Inhibition”, 1980

M. S. Metallurgical Engineering, The Ohio State University, 1977

B. S. Materials Science, Tehran University, 1976

b. Appointments

2008-Present, California State University, Northridge, Chair of MSEM Department,

1985-Present, California State University, Northridge, Full Professor of Engineering,

1988- Present, Director of Undergraduate Research Program in Materials Research

c. Five Publications Most Closely Related to the Proposed Project

1. B. Bavarian and L. Reiner “Vapor Phase Inhibitors to the Life of Aging Aircraft,”
MegaRust 2010, June 2010.

2. B. Bavarian, Integrating Nanotechnology into Undergraduate Engineering Education,
The Engineers’ Council 2009 Technical Conference, Feb. 27, 2009.

3. B. Bavarian and T. Miller, Metallurgical Characterization of Nanophase
Aluminum- Magnesium Alloy, LiMAT 2003, the 3rd Intl Conference, Hawaii,
Nov. 2-6, 2003.

4. B. Bavarian & L. Reiner, Thin Film Thin Film Wireless Sensors for Corrosion
Management in Infrastructures, 17th International Corrosion Congress 2008, Las
Vegas, NV. October 6-10, 2008.

5. B. Bavarian & L. Reiner, Thin Film Corrosion Sensors, NACE 2007, paper
#07387, Nashville, March 12-16, 2007.

d. Synergistic Activities

AHPCRC Research and Infrastructure Development Program, (\$150,000) 2010-2011.

Cortec Inc, Inhibition of SCC of ASTM A470 and 7050 Al-alloy, \$44,000, 2010-2012.

W. M. Keck Foundation (\$500,000) for acquisition of FESEM/EDAX system, 2009.

Easton Sport Foundation, (\$50,000) for acquisition of FESEM/EDAX system, 2009.

NSF-NEESR-II: Performance-Based Design for Cost-Effective Seismic Hazard
Mitigation in New Buildings Using Supplemental Dampers, \$746K, 2009-2012.

CSUN, Tseng award, Chinese bronze research, \$52K, 2004-2006

NSF:CMU/CSUN REU Summer Program (\$62,000), 2006-2010.

W. M. Keck Foundation (\$600,000) for multi-channel spectrometer (XPS, AES) and
upgrades to the W. M. Keck Computational Lab, 2001.

DOD-AFOSR (\$199,500) for the “Acquisition of a Secondary Ion Mass Spectrometer
with In-Situ Fracture Stage, 2001.

NASA-IRA program (\$2,000,000) for a four-year interdisciplinary program on “Failure
Analysis, Prevention, and Reliability Modeling for SubMicron Electronics Technology,
with JPL/NASA, 2000 - 2005.