

M. "SAIID" SAIDI - 9/2019- Page 1 of 2

POSITION: Professor, Department of Civil & Environmental Engineering,
Director, Center for Advanced Technology in Bridges and Infrastructure (CATBI)
Distinguished Research Faculty, University of California, Los Angeles
Senior Principal, Infrastructure Innovation, LLC
Fax: 775/784-1390; E-mail: saiidi@unr.edu
Website: <http://wolfweb.unr.edu/homepage/saiidi/>

RESEARCH AREAS:

Earthquake Engineering of Bridges and Buildings, Experimental Studies of Bridges and Components, Analysis and Design of Reinforced Concrete Structures, Novel Materials in Earthquake-Resistant Structures; Earthquake-Resistant Connections for Accelerated Bridge Construction

EDUCATION:

M.S. in Civil Engineering (Five-year program), Tehran University, 1973
M.S. in Civil Engineering (Structures), University of Illinois, Urbana-Champaign, 1977
Ph.D. in Civil Engineering (Structures), University of Illinois, Urbana-Champaign, 1979

EXPERIENCE:

Professor, Civil Engineering Department, University of Nevada Reno, 7/88 –Present;
UNR Foundation Professorship since 1997
Senior Principal, Infrastructure Innovation, 8/07- Present
Director, Office of Undergraduate Research, University of Nevada, Reno, 8/03-7/09
Chairman, Civil Engineering Department, University of Nevada, Reno, Nevada, 7/86 - 6/94
Associate Professor, Civil Engineering Department, University of Nevada, Reno, Nevada, 7/83 - 6/88
Assistant Professor, Civil Engineering Department, University of Nevada, Reno, Nevada, 8/79 - 6/83

SYNERGISTIC ACTIVITIES:

Collaborated with Washington State Department of Transportation in securing FHWA-IBRD funds to implement SMA/ECC in a bridge in Downtown Seattle, Washington
Founding Chair of ACI Committee 341 - Earthquake-Resistant Concrete Bridges, 1991-1997. Chair of Subcommittee on Bridge Pier Walls (1997-2002)
Director, NSF Grantees Workshop, Hazard Mitigation Programs, Lake Tahoe, Nevada, 1995; NSF US/Central Europe Workshop on Civil Infrastructure Systems for the next Century, Cracow, Poland, October 1996; NSF US-Turkey Workshop on Bridge Seismic Retrofit and Design, September 2004; FHWA/NSF Workshop on Long-Term Bridge Performance, Las Vegas, Nevada, January 2007; NSF Workshop on Bridges of the Future- Widespread Implementation of Innovation, Las Vegas, Nevada, June 2011.
Chaired the Civil Engineering Department for eight years and helped build a dynamic department with worldwide reputation in bridge engineering research.
Developed proposal and received a \$2M NSF-NEES-SG grant to lead a major research effort on novel materials in bridges with participation from other universities [Cal-Berkeley, Florida Int., Georgia Tech, Illinois (Chicago), Kansas, Stanford, and Cal-San Diego]. Research on novel materials led to interviews by the Wall Street Journal, USA Today, The Economist, Engineering News Record, National Public Radio, Popular Mechanics, Science Daily, the Discovery Channel, etc.
Served as Subject Matter Expert on Domestic AASHTO Scan 11-02 on accelerated bridge construction under multi-hazard loading.
Served as the Director of Undergraduate Research (UR) Office at the University of Nevada and built sustaining infrastructure to promote and support UR in various fields including arts, science, engineering, humanities, medicine, and business. Secured funding as an area leader from NSF-EPSCoR approximately \$3.0M to promote and expand UR in Nevada universities.

HONORS, AWARDS, RECOGNITION, AND PROFESSIONAL ACTIVITIES:

Fellow, ASCE; Fellow, ACI
Member ACI Committees 318-D, 341, and 352
Member, ACI, ASCE, EERI, Phi Kappa Phi, NEES Consortium, CUREE
Registered Professional Engineer in the State of Nevada and California
Reviewer of the National Science Foundation Research Proposals

Reviewer of ASCE, ACI, EERI, PCI, Journal of Engineering Structures, Journal of Structural Engineering and Mechanics, Earthquake Engineering and Structural Dynamics, TRB Records, etc., Member of Review Panels for NCHRP and NSF Proposals

Who's Who in Frontiers of Science and Technology, 2nd Edition

Distinguished Leadership Award for Outstanding Contributions to Civil Engineering, 2nd Edition

UNR-Foundation Professorship Award, 1997

UNR Outstanding Researcher of the Year Award, 2000

Outstanding Civil and Environmental Engineering Alumni Award, University of Illinois at Urbana-Champaign, 2003

Regents Researcher Award, University and Community College System of Nevada, 2003

Lemelson Award for Innovative Research, College of Engineering, University of Nevada, Reno, 2004

Advisor of the Year Award, Associated Students at the University of Nevada, Reno, 2004

Distinguished Alumni Award, College of Engineering, Tehran University, 2004.

College of Engineering Excellence in Research Award, University of Nevada, Reno, May 2014.

Established Innovator Award, Office of Vice President for Research and Innovation, University of Nevada, Reno, May 2016.

Inducted Member, Academy of Engineering of Mexico, 2017

SELECT MOST RECENT JOURNAL PUBLICATIONS:

Mehrsoroush, A., and M. Saiidi, "Experimental and Analytical Studies of Base Pipe Pin Connections under Direct Tension," *Journal of Engineering Structures*, Published online, June 2019, Vol. 195, September, 2019, pp. 210-222.

Hoon Yoon, Y., S. Ataya, M. Mahan, A. Malek, M. Saiidi, and T. Zokaie, "Probabilistic Damage Control Application (PDCA) - Implementation of Performance Based Earthquake Engineering in Seismic Design of Highway Bridge Columns," *Journal of Bridge Engineering*, ASCE, Published Online May 2019; July 2019.

Mohebbi, A., M. Saiidi, and A. Itani, "Shake Table Studies and Analysis of a Precast Two-Column Bent with Advanced Materials and Pocket Connections," *Journal of Bridge Engineering*, ASCE, Published Online, May 2018, Vol. 23, No. 7, July 2018.

Mohebbi, A., M. Saiidi, and A. Itani, "Shake Table Studies and Analysis of a PT/UHPC Bridge Column with Pocket Connection," *Journal of Structural Engineering*, ASCE, Vol. 144, No. 4, April 2018.

Baker, T., M. Saiidi, B. Nakashoji, J. Bingle, T. Moore, and B. Khaleghi, "Precast Spliced Girder Bridge in Washington State using Superelastic Materials in Bridge Columns to Improve Seismic Resiliency - From Research to Practice," *PCI Journal*, Precast/Prestressed Concrete Institute, January-February 2018, pp. 57-71.

Tazarv, M. and M. Saiidi, "Design and Construction of UHPC-Filled Duct Connections for Precast Bridge Columns in High Seismic Zones," *Journal of Structure and Infrastructure Engineering*, Maintenance, Management, Life-Cycle Design, and Performance, Published online June 2016, Vol. 13 No. 6, March 2017, pp. 743-753.

Varela, S., and M. Saiidi, "Resilient Deconstructible Columns for Accelerated Bridge Construction in Seismically Active Areas," *Journal of Intelligent Material Systems and Structures*, Vol 28(13), 2017, pp. 1751-1774.

Akl, A., and M. Saiidi, "Time-Dependent Analysis of Post-Tensioned Bridge Hinge Curl," ASCE, *Journal of Bridge Engineering*, Paper No. 04016111, September 2016.

Tazarv, M., and M. Saiidi, "Seismic Design of Bridge Columns Incorporating Mechanical Bar Splices in Plastic Hinge Regions," *Journal of Engineering Structures*, Vol 124, July 2016, PP. 507-520.

Varela, S., and M. Saiidi, "A bridge column with superelastic NiTi SMA and replaceable rubber hinge for earthquake damage mitigation," *Journal of Smart Materials and Structures*, May 2016.

COLLABORATORS IN THE PAST 5 YEARS:

Dr. A. Itani, D. Sanders, I. Buckle, R. Siddharthan, K. Ryan, and S. Elfass, University of Nevada, Reno; Dr. K. Kawashima, Tokyo Institute of Technology, Japan; Dr. M. Tazarv, South Dakota State University; D.J. Belarbi, University of Houston, Dr. A. Mirmiran and Dr. A. Azizinamini, Florida International University, Dr. B. Phares, Iowa State University; Lee Marsh, Berger-ABAM, WA, Tom Murphy, Modjeski & Masters, PA, Dr. L. Sneed, University of Science and Technology, and Mark Reno, Quincy Engineering, CA, Bora Gencturk, University of Southern California.

GRADUATE STUDENTS, POST-DOCTORAL FELLOWS, AND VISITING PROFESSORS IN THE PAST 5 YEARS:

A. Vosooghi, Post-doc, Z. Haber, PhD, Post-doc; A. Zaghi, PhD; C. Cruz, PhD, S. Ardakani, PhD, F. Kavianipour, PhD, A. Larkin, MSCE, A. Mehrosoroush, PhD, Post-doc, A. Saini, PhD, M. Tazarv, PhD, Post-doc, A. Akl, PhD, Z. Hua, PhD, B. Nakashoji, MSCE, B. Abdollahi, PhD, M. Mehraein, PhD, K. Shrestha, Post-doc, S. Varela, PhD, J. Jones, MSCE, PhD; G. Shrestha, PhD, A. Mohebbi, PhD, J. Benjumea, PhD, E. Shoushtari, PhD, J. Ge, Visiting Assoc. Professor, E. Jordan, MSCE, C. Liu, Visiting Researcher. Dr. J. Jia, Visiting Professor, Has sponsored and supervised research for 60 MS students, 35 PhD students, and 22 post-doctoral/research fellows.