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BRIEF BIO:

David V. Rosowsky was named Provost and Senior Vice President at the University of Vermont in May 2013. Prior to joining UVM, Dr. Rosowsky served as the 15

Appointed female faculty member to hold an endowed chair.

Leading effort to develop, resource, and implement the *Bridge2 Success Program* (curricular and co-curricular college preparatory and skills program) for entering science and engineering students from underrepresented groups (first offering of Bridge2 program will be Summer 2012)

Appointed first woman Associate Dean and first woman faculty member to School Leadership Team

Expanded responsibilities of Director for Diversity and Outreach to include both undergraduate and graduate students/programs/organizations

Expanded responsibilities for Faculty Coach position (previously focused on female assistant professors) to include advocacy of *all* junior faculty during the pre-tenure probationary period

Championing the construction of a new Child Care Center adjacent to the Rensselaer campus

Meet regularly with underrepresented student organizations (e.g., SWE, NSBE, SHPE) and participate in recruiting and information events organized by these student groups

Meet (once a semester) with women and underrepresented minority faculty

Personally oversight of all SoE faculty search and hiring efforts to broaden gender and ethnic diversity to meet SoE and Institute diversity objectives

SELECTED INITIATIVES

As part of a series of initiatives aimed at creating a transparent leadership and management structure in the School, developed an annual Faculty Workload Analysis system. This annual report and dashboard is shared with School leadership (Department Heads, Associate Deans) and is used to inform strategy discussions (e.g., annual leadership retreat, regularly scheduled leadership team meetings, annual budgeting and capital request cycles) and has enabled the emergence of new School-wide strategies for faculty hiring prioritization, assignment and development of professional staff, enrollment management, academic advising, financial management, and ensuring laboratory safety.

Developed multi-level strategy for managing ballooning SoE enrollments (resulting from strong student interest, admissions policies, and financial considerations) through (1) establishing and enforcing

within SoE and other technologically-focused majors in other Schools, (3) proposing new certificates and minors for students in non-engineering majors, and (4) working closely with Office of Admissions/Enrollment to manage first-year student admissions and transfers into SoE

Created, with School of Engineering leadership input, a new document entitled *Expectations for Faculty in the School of Engineering*. This guide document makes clear the expectations for faculty at all ranks and effectively demystifies the promotion and tenure processes with clear language, realistic milestones, and expectations for teaching, research, and service.

Envisioned and implemented a new website, *Better World//Engineering*, which serves as a portal (for

Developed biannual Research Report, with full faculty support and participation, for dissemination to a broad constituency.

Created and implemented Faculty Mentoring Program with both internal and external mentors as well as industry liaison(s) for all new assistant professors.

Created and chaired two task forces, one on the undergraduate experience and the other on the graduate experience. Reports published Summer 2006.

PROFESSIONAL BACKGROUND, RESEARCH AND SCHOLARSHIP

FELLOW STATUS:

Fellow, American Society of Civil Engineers (ASCE)

Fellow, *Institute of Science, Technology, and Public Policy*, Bush School of Government and Public Service, Texas A&M University, College Station, Texas

EDUCATION:

PhD	Civil Engineering	Johns Hopkins University, Baltimore, Maryland	1990
MS	Civil Engineering	Tufts University, Medford, Massachusetts	1987
BS	Civil Engineering	Tufts University, Medford, Massachusetts	1985

PROFESSIONAL REGISTRATION: Professional Engineer (Texas) License No. 95382

ACADEMIC LEADERSHIP EXPERIENCE:

University of Vermont	Provost and Senior Vice President, and Professor of Engineering	2013-present
Rensselaer Polytechnic Institute (4 years)	Dean of Engineering, Professor of Civil and Environmental Engineering, Professor of Industrial and Systems Engineering	2009-2013
Texas A&M University (5 years)	Department Head, A.P. and Florence Wiley Chair Zachry Department of Civil Engineering	2004-2009

PREVIOUS ACADEMIC APPOINTMENTS:

Oregon State University (Professor and endowed chairholder, Richardson Chair in Wood Science and Engineering, Full Professor with tenure in College of Engineering and College of Forestry; 2000-2004), Clemson University (Assistant Professor and Associate Professor with tenure, College of Engineering; 1994-2000), Johns Hopkins University (Visiting Scholar, School of Engineering; 1993-1994), Purdue University (Assistant Professor, College of Engineering; 1990-1993); also concurrently held visiting scholar/professor appointments at several international universities for periods ranging from three months to two years.

RESEARCH INTERESTS: structural reliability, performance-based design, infrastructure risk assessment, wind and earthquake engineering, design for natural hazards

GRADUATE AND POST-DOCTORAL ADVISING:

Served as major professor for 12 PhD students and 14 MS (thesis) students since 1990.

Served as committee member for 11 PhD students and 19 MS (thesis) students since 1990.

Supervised 7 post-doctoral researchers since 1996.

Currently (2015) co-advising one PhD student and supervising one post-doctoral researcher.

FUNDED RESEARCH:

Served as PI or Co-PI on more than \$10M in total contracts, the majority coming from NSF, since 1990.

In addition to NSF, funding has been obtained from NIH, USDA, FEMA, FHWA and several state transportation departments.

KEYNOTE LECTURES:

Numerous invited keynote lectures (in the fields of reliability-based design and probabilistic modeling of hazards) presented in the UK, France, Italy, Switzerland, Canada, Japan, Australia and New Zealand over the last two decades.

CONFERENCE SCIENTIFIC COMMITTEES (LAST 4 YEARS):

International Scientific Committee, 12th International Conference on Application of Statistics and Probability in Civil Engineering (ICASP12), Vancouver, British Columbia, Canada, July 2015.

Scientific Committee, 11th International Conference on Structural Safety and Reliability (ICOSSAR), New York City, NY, June 2013.

Scientific Committee, 11th ASCE Joint Specialty Conference on Probabilistic Mechanics and Structural Reliability, Notre Dame, IN, June 2012.

International Advisory and Scientific Committees, 11th World Conference on Timber Engineering (WCTE 2012), Auckland, New Zealand, August 2012

CURRENT PROFESSIONAL COMMITTEE ACTIVITY:

ASCE Technical Council on Life-Cycle Performance, Safety, Reliability, and Risk of Structural Systems, Task Group 3 (Risk Assessment of Structural Infrastructure Facilities and Risk-Based Decision Making)

Advisory council member, International Forum on Engineering Decision Making (IFEDM)

Member, U.S. Technical Activities Group for ISO/TC 98/SC 2 Reliability of Structures

EDITORIAL BOARDS:

Editorial Board, *Structural Safety* (Elsevier), 2008-present

Associate Editor, *ASCE Journal of Infrastructure Systems*, 2004-2008

Associate Editor, *Natural Hazards Review*, 2001-2005

Associate Editor, *ASCE Journal of Structural Engineering*, 1995-2004

Editorial Board, *Structural Engineering Review* (Elsevier), 1995-1997

PUBLICATIONS

More than 150 papers in peer-reviewed journals since 1990

Papers appearing in peer-reviewed journals in the last 3 years:

1. Gomez, C., Sanchez-Silva, M., Duenas-Osorio, L. and Rosowsky, D. (2011), Heirarchical Infrastructure Network Representation Methods for Risk-Based Decision Making *Structure and Infrastructure Engineering*, 2011:1-15.
2. Gardoni, P. and Rosowsky, D.V. (2011) Seismic Fragility Increment Functions for Deteriorating Reinforced Concrete Bridges, *Structure and Infrastructure Engineering*, 7(11):869-879.
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HONORS, AND AWARDS:

Elected to grade of Fellow, American Society of Civil Engineers (ASCE), October 2007.

Outstanding Career Achievement Award, Tufts University Graduate School, 2007.

Outstanding Alumni Achievement Award, Department of Civil and Environmental Engineering, Tufts University, 2005.

Holder of the A.P. and Florence Wiley Chair in Civil Engineering, Texas A&M University, 2004-2009.

Erksine Fellow, University of Canterbury, Christchurch, New Zealand, April-May, 2004.

2001 ASCE **Walter L. Huber Civil Engineering Research Prize** *for his research on stochastic modeling of behavior of engineered wood construction subject to natural and man-made hazards, and development of practical risk-consistent criteria for design of wood structures*

2001 Institution of Civil Engineers