Professor Phillip L. Gould

See:
http://www.worldcat.org/identities/lccn-n79-121365
http://www.bookfinder.com/author/phillip-l-gould/
http://www.youtube.com/watch?v=xWvVTVoy4mo
http://www.journals.elsevier.com/engineering-structures/editorial-board/
http://www.barnesandnoble.com/c/phillip-l.-gould
http://www.amazon.com/Phillip-L.-Gould/e/B001J3LA5Q

Harold D. Jolley Professor of Civil Engineering Washington University

College and University Education:
University of Illinois, Urbana, Illinois, B.S. 1959, M.S. 1960
Northwestern University, Evanston, Illinois, Ph.D. 1966

Professional Affiliations:
Sigma Xi, ASCE, ACI, ASEE, International Assoc. for Shell Structures Structural Engineers Association of

Illinois
Earthquake Engineering Research Institute (Board of Directors, 1993-1996)
Missouri Seismic Safety Commission (Chairman 2001-2002)

Employment History:
1960-1963 Structural Designer, Skidmore, Owings & Merrill,Chicago
1963-1964 Principal Struct. Engr. Westenhoff & Novick, Chicago
1964-1966 NASA Trainee, Northwestern University, Evanston
1966-1968 Assistant Professor, Washington University
1968-1974 Associate Professor , Washington University
1974-present Professor, Washington University
1978-1998 Chairman, CE Dept., Washington University

Military Record: 1st Lt., US Army Ordnance Corps, July 1959-Jan. 1960, Feb. 1963-Aug. 1963

Professional Registration: Illinois, Wisconsin, Missouri

Research Grants and Contracts:
National Science Foundation - 12 Projects 1967 to 2001
American Iron and Steel Institute - 1 Project
Pressure Vessel Research Committee, Welding Research Council - 1 Project
National Institutes of Health - 2 Projects (co-P.I.)
National Bureau of Standards - 1 Project
Department of Economic Development, State of Missouri - 1 Project

Awards and Honors:
Senior Scientist Award for the Purpose of Research and Teaching, Alexander von Humboldt Foundation, German Federal Republic, 1974-75. Fellowship served as Guest Professor, Ruhr-University-Bochum.
Visiting Professor, University of Sydney, Australia, 1981.; University of Bologna, Italy, 2004
Harold D. Jolley Professor of Civil Engineering, Washington University, 1981 to present.
Profile in Who's Who in America; Who's Who in Engineering (6th Edition); Who's Who in Frontier Science and Technology; Who's Who in Technology Today (4th Edition); and American Men and Women in Science.
Award for Outstanding Service, St. Louis Section, American Society of Civil Engineers, 1984-1985.
Advisory Professor, Dept. of Civil Engineering and Institute for Applied Mathematics and Mechanics, Shanghai Institute of Technology, China, 1986.
CEAA Distinguished Alumnus Award, Civil Engineering Alumni Association, University of Illinois-UC, 1988.
Outstanding Engineer in Education, Missouri Society of Professional Engineers, St. Louis Chapter 1993
Otto Nuttli Earthquake Hazard Mitigation Award, St. Louis Section ASCE, 1994
Profession Recognition Award for Lifetime Achievements, St. Louis, Section, ASCE,2003

Editorships:
Founding editor of the international journal ENGINEERING STRUCTURES

Books:
Static Analysis of Shells: A Unified Development of Surface Structures, Lexington Press, 1977
Environmental Forces on Engineering Structures, (Co-Editor with C. A. Brebbia and J. Munro), Halsted Press, Nov. 1979
Dynamic Response of Structures to Wind and Earthquake Loading (with S. A. Abu-Sitta), Halsted Press, May 1980
Introduction to Linear Elasticity, Springer-Verlag, 1984, 2nd Edition, 1994
Natural Draught Cooling Towers, (Co-Editor with I. Mungan, W. Krätzig and U. Wittek), Springer-Verlag, 1985
Finite Element Analysis of Shells of Revolution, Pitman Publishing Company, 1985
Analysis of Shells and Plates, Springer-Verlag, New York, 1987, 2nd Ed. Prentice-Hall, 1999

Handbook of Structural Engineering, Chapter 14 Cooling Tower Structures (with W.B. Krätzig),CRC Press 1997, 2nd Ed, 2005

Significant Papers:

1. J. K. Wu and P. L. Gould, "Large Displacement Analysis for Pure Bending of Thin-Walled Beams", J. Engineering Mechanics, ASCE, Vol. 113, No. 4, April 1987, pp. 520-528.
2. J. S. Lin and P. L. Gould, "Shells of Revolution with Local Plasticity", Computer Methods in Applied Mechanics and Engineering, V. 65, 1987, pp. 127-145.
3. P. L. Gould, "The Cylindrical Shell Slice Beam", Journal of Engineering Mechanics, ASCE, Vol. 114, No. 7, July 1988, pp. 905-911.
4. P. L. Gould and O. C. Guedelhoefer, "Repair and Completion of a Damaged Cooling Tower", Journal of Structural Engineering, ASCE, Vol. 115, No. 3, pp. 576-593, March 1989.
5. K. Ahn and P. L. Gould, "Soil-Pile-Structure Interaction Effects on the Seismic Response of a Cooling Tower", Journal of Earthquake Engineering and Structural Dynamics, Vol. 18, 1989, pp. 593-609.
6. P.L. Gould and K. Ahn "Performance of a Pile-Supported Structure under Strong Ground Motion" Computer Methods and Advances in Geomechanics, Beer, Booker & Carter eds. A.A. Balkema, Rotterdam, 1191, pp. 133-138
7. R.V. Ravichandran, P.L. Gould, S. Sridharan, "Localized Collapse of Shells Using a Local-Global Strategy", International Journal for Numerical Methods in Engineering, Vol. 35, 1153-1170, 1992
8. K.Ahn and P.L. Gould, "Interactive Base Isolation Foundation System: FE Formulation". Journal of Structural Engineering, ASCE, Oct. 1992, pp 2048-2058
9. K. Ahn and P.L. Gould, "Interactive Base Isolation Foundation System: Parametric Study". Journal of Structural Engineering, ASCE, Oct. 1992, pp 2059-2071
10. X.F.. Wang and P.L. Gould, "Dynamics of Structures with Uplift and Sliding", Journal of Earthquake Engineering and Structural Dynamics, Vol. 22, 1085-1095, 1993.
11. W. Huang, P.L. Gould, R. Martinez and G.S. Johnson, “Non-Linear Analysis of a Collapsed Reinforced Concrete Chimney”, Earthquake Engineering and Structural Dynamics, Vol. 33, 485- 498,2004