

B. VINCENT VISCOMI
Simon Cameron Long Professor
Department of Civil and Environmental Engineering
Lafayette College

EDUCATION:

Ph.D., Civil Engineering, 1968 - University of Colorado, Boulder, Colorado
M.S., Mechanical Engineering, 1957 - Lehigh University, Bethlehem, Pennsylvania
B.S., Mechanical Engineering, 1956 - Drexel University, Philadelphia, Pennsylvania

SERVICE AT LAFAYETTE COLLEGE:

Original Appointment: Assistant Professor of Mechanical Engineering, January, 1964
Promoted to Associate Professor of Mechanical Engineering, 1969
Promoted to Professor of Civil Engineering, 1975
(Head of the Department of Civil Engineering, 1972-1986)
Appointed Simon Cameron Long Professor, 1994

ADDITIONAL PROFESSIONAL EXPERIENCE:

Research Professor, Cluster Leader, NSF Center-Advanced Technology for Large Structural Systems (ATLSS), Lehigh University, Bethlehem, PA, 1987-1996 (part-time)
Visiting Scientist (GS-14), Naval Sea Systems Command, Washington, DC, summer and fall of 1981
NSF Fellow, National Center for Resource Recovery, Washington, DC, summer of 1974
Consulting Engineer, General Atomics Corporation, LaJolla, CA (on loan from Philadelphia Electric Company), 1963
Reactor Engineer, Atomic Energy Commission, Idaho Falls, ID (on loan from Philadelphia Electric Company), 1962
Research Engineer and Nuclear Engineer, Philadelphia Electric Company, Philadelphia, PA, 1958-1964
Engineer, Westinghouse Electric Corporation, Lester, PA, 1956

CONSULTING:

Consultant to various engineering, legal and insurance firms for structural design analyses, structural and mechanical failure analyses and accident reconstruction.

REGISTERED PROFESSIONAL ENGINEER, Commonwealth of Pennsylvania and State of New Jersey

PRINCIPAL PUBLICATIONS OF THE LAST FIVE YEARS:

"Automated erection of structures utilizing ATLSS connections and a robotic crane", Microcomputers in Civil Engineering, Journal of Computer-Aided Civil and Infrastructure Engineering, Vol. 10, No. 5, September, 1995, pp. 309-323, with L.-W. Lu, N. D. Perreira, W. D. Michalerya and A. B. Larrabee.

"Design and implementation of ATLSS connections", Proceedings, Conference on Research Transformed into Practice, Implementation of NSF Research, June, 1995, Arlington, VA, ASCE Press, pp. 110-119.

"Development and experimental investigation of new types of connections for framed structures suited for automated construction", Proceedings, 1st European Conference on Steel Structures, May, 1995, Athens, pp. 231-238, with L.-W. Lu, R. B. Fleischman, W. S. Lawrence, A. M. Rosa and R. B. Garlock.

"Partially restrained composite connection using a tubular column and ATLSS connectors", Proceedings, 13th Structures Congress, American Society of Civil Engineers, April, 1995, Boston, MA, Vol. 1, pp. 1000-1015, with W. S. Lawrence and L.-W. Lu.

"Beam-to-column connections with high strength steel castings with improved weldability", Proceedings 13th Structures Congress, American Society of Civil Engineers, April, 1995, Boston, MA, Vol. 1, pp. 405-418, with E. J. Kaufmann and L.-W. Lu.

"Connections Designed for Automation", Steel Construction Engineering Journal, Japanese Society for Steel Construction, Vol. 1, No. 4, December, 1994, pp. 17-24, with W. S. Lawrence and L.-W. Lu.

"Monotonic and Cyclic Behavior of Semi-Rigid Composite Connections with ATLSS Connectors", Proceedings, Fifth U. S. National Conference on Earthquake Engineering, Chicago, IL, July, 1994, pp. 881-890, with A. M. Rosa and L.-W. Lu.

"Automated Construction in the ATLSS Integrated Building Systems", Journal of Automation in Construction 3(1), May, 1994, Elsevier Science, Amsterdam, pp. 35-43, with W. D. Michalerya and L.-W. Lu.

"ATLSS Connections with Moment Capacity", Proceedings, Structures Congress XII, American Society of Civil Engineers, Atlanta, GA, April, 1994, pp. 743-748, with R. B. Garlock, L.-W. Lu.

"ATLSS Connectors in Semi-Rigid Composite Connections", Proceedings, Structures Congress XII, American Society of Civil Engineers, Atlanta, GA, April, 1994, pp. 1149-1154, with A. M. Rosa and L. W. Lu.

continued --

(Principal Publications of the Last Five Years - continuation)

"An Advancement in Automated Construction: The ATLSS Integrated Building Systems", Proceedings, EPRI Third International Conference on Fossil Plant Construction, Palm Beach, FL, October, 1993.

"Automated Construction in the ATLSS Integrated Building Systems", Automaton and Robotics in Construction X, Edited by Watson, Tucker and Walters, Elsevier Science Publishers, Amsterdam, The Netherlands, May, 1993, pp. 9-16, with W. D. Michalerya and L.-W. Lu.

"Connections for Automated Erection of Steel Structures", Proceedings, National Steel Construction Conference, American Institute of Steel Construction, Orlando, FL, March, 1993, with R. B. Fleischman and L.-W. Lu.

"Development, Analysis and Experimentation of ATLSS Connections", in Constructional Steel Design: World Developments, Elsevier Applied Science, New York, pp. 260-269, December, 1992, with R. B. Fleischman, L.-W. Lu and M. R. Kaczinski.

"An Automated Construction Erection System", Proceedings, 9th International Symposium on Automation and Robotics in Construction, Tokyo, Japan, June, 1992, pp. 583-592, with N. D. Perreira.

"Introducing Professionalism and Ethics in the Engineering Curriculum", Journal of Professional Issues in Engineering Education and Practice 117 (4), pp. 383-388, November, 1991, with J. R. Herkert.

"ATLSS connections: concept, development and study", Collected papers, Structures Congress, American Society of Civil Engineers, Indianapolis, IN, pp. 426-429, April, 1991, with R. B. Fleischman and L.-W. Lu.

PROFESSIONAL SOCIETIES:

Member, American Society of Civil Engineers
Member, Sigma Xi

HONORS AND AWARDS:

Lafayette College:

Simon Cameron Long Professor, 1994

Superior Teaching Award, Lafayette College, 1978 and 1974

Charles R. and Mary F. Lindback Foundation Award for Distinguished Teaching, Lafayette College, 1976

Jones Faculty Award for Excellence in Teaching and Research, Lafayette College, 1969

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(Honors and Awards continuation)

Graduate:

Westinghouse Fellowship to Lehigh University
National Science Foundation Fellowship to the University of Colorado
Elected to Sigma Xi

Undergraduate:

Elected to Phi Kappa Phi, Tau Beta Pi, Pi Tau Sigma and Scabbard and Blade

Professional Listings:

Biographee:

Who's Who in Science and Engineering
Who's Who in the World
Who's Who in Finance and Industry
Who's Who in Engineering
Who's Who in Technology Today
Who's Who in the East
International Who's Who in Engineering
Men of Achievement
Dictionary of International Biography
American Men and Women of Science
American Men of Science
Notable Americans of the Bicentennial Era
Personalities of the Americas

CIVIL AND OTHER PROFESSIONAL ACTIVITIES:

Co-Inventor, U. S. Patent 5,244,300, "Structural Connector Approximating a Cone of Elliptical Cross-Section", September 14, 1993.
Accreditation Board for Engineering and Technology
Member of Accreditation Teams
Commission on Higher Education, Middle States Association of Colleges and Schools -
Member of Accreditation Teams (past)
Lehigh-Delaware Development Council
Member of Board of Directors (past)
Easton Area Joint Sewer Authority
Member (Served as Chair 1988-90) (past)
Lehigh Valley Resource Recovery Advisory Committee (past)
Board of Health, City of Easton
Member and President (past)
Lehigh Valley Clean Air Council
Member (past)
Energy Advisory Committee to Congressman Donald Ritter
Member (past)
Youth Recreation Association
Member and Vice-President (past)