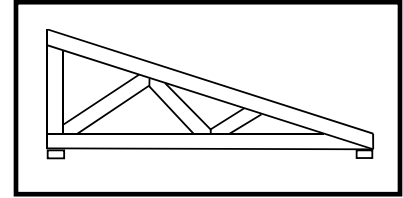


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PREVIOUS EXPERIENCE:

July 1, 2003 - present. Professor Emeritus, Virginia Tech University, and Wood Construction and Engineering Consultant.

July 1, 1990 – June 30, 2003. Professor, Virginia Tech. (50% teaching and 50% research).

Research included the design, installation, and performance of metal-plate-connected wood trusses, lumber properties, deck and balcony design, floor vibration control, design to prevent ceramic tile and grout cracks, and wood building design.

July 1, 1982 - June 30, 1990. Associate Professor, Virginia Tech. (50% teaching and 50% research).

Research included the reliability of wood structures, proof loading of lumber, lumber properties, and post-frame construction.

August 1, 1977 - June 30, 1982. Assistant Professor, Virginia Tech. (50% teaching and 50% research).

Truss reliability, lumber properties and post-frame buildings. Safety analysis of light-frame floors, walls and heavy beams when exposed to fire.

July 1, 1975 - July 31, 1977. Visiting Assistant Professor, Wood Research Laboratory, Purdue University, West Lafayette, IN.
Wood truss reliability.

REGISTRATION AND MEMBERSHIPS:

Registration

Professional Engineer, State of Virginia No. 11226, 1979-present

Memberships

American Society for Testing and Materials (ASTM)
Forest Products Society (FPS)
American Forest and Paper Association (AFPA)
National Frame Builders Association (NFBA)

Experience

Third-Party Quality Inspector for Wood Truss Manufacturing (1993-2000)

PARTICIPATION ON COMMITTEES:

Professional

ASTM, Committee D-7 on Wood, 1985-Present

ANSI A108 on Ceramic Tile Installation and Materials Specification, 2004-Present

National Tile Contractors Association Technical Committee, 2005-Present

National Grading Rule Committee of the American Lumber Standards Committee,
Consumer Representative

BOOKS:

Anderson, C. A., F. E. Woeste, and J. R. Loferski. 2003. ***Manual for the Inspection of Residential Wood Decks and Balconies***. Forest Products Society, 2801 Marshall Court, Madison, WI 53705 (Copies may be purchased from the FPS at 608-231-1361)

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- Loferski, J. R., F. E. Woeste, D. Albright, and R. Caudill. 2005. Strong rail-post connections for wooden decks. *Journal of Light Construction* 23(5): 65-71.
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- Woeste, F. E., H. A. Hughes, and S. K. Suddarth. 1980. Independent roof sections for long buildings to resist snow loads. *Transactions of ASAE* 23(4): 968-972.
- Suddarth, S. K. and F. E. Woeste, and W. L. Galligan. 1977. Differential reliability: Probabilistic engineering applied to wood members in bending/tension. FPL 302, U.S.D.A. Forest Service, U. S. Forest Products Laboratory, Madison, Wisconsin. 16p.
- Suddarth, S. K. and F. E. Woeste. 1977. Influences of variability in load and modulus of elasticity on wood column strength. *Wood Science* 10(2): 62-67.
- Suddarth, S. K., F. E. Woeste, and J. T. P. Yao. 1975. Effect of E-variability on the deflection behavior of a structure. *Forest Products Journal* 25(1): 17-20.
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Timber Frame and Post-Frame Construction

- McGuire, P. M. and F. E. Woeste. 2007. Non-structural plan review of post-frame buildings. *Frame Building News* 19(2): 10, 12.
- McGuire, P. M. and F. E. Woeste. 2006. Wood Bits: Nonstructural plan review of post-frame buildings. *Building Safety Journal* 4(6): 6-8.

Carradine, D. M., F. E. Woeste, J. D. Dolan, and J. R. Loferski. 2004. Diaphragm behavior and design of laterally loaded timber frame and structural insulated panel buildings. *Wood Design Focus* 14(3): 18-22.

Carradine, D. M., F. E. Woeste, J. D. Dolan, and J. R. Loferski. 2004. Utilizing diaphragm action for wind load design of timber frame and structural insulated panel buildings. *Forest Products Journal* 54(5):73-80.

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Skaggs, T. D., F. E. Woeste, and D. A. Bender. 1993. A simple analysis procedure for calculating post forces. *Applied Engineering in Agriculture* 9(2): 253-259.

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Related to Fire Safety of Wood Structures

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AWARDS:

Building Safety Community Partnership Award, 2006 by Fairfax County, VA Building Department.

Annual Award for Excellence in Wood Truss Research, 1993 by TPI

Henry Giese Structures and Environment Award, 1992 by ASAE

Rural Builder Hall of Fame, 1989 by Rural Builder Magazine

George G. Mara Award, 1987 by the Society of Wood Science and Technology

Bernon G. Perkins Award, 1987 by the National Frame Builders Association