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**Area(s) of Expertise:**  
Structural Engineering

**Educational Qualifications:**  
Ph.D., University of Illinois, Civil Engineering, May 1986  
M.S., University of Illinois, Civil Engineering, August 1983  
B.S., University of Virginia, Civil Engineering, May 1982

**Technical Interests:**  
Design and behavior of reinforced concrete structures; evaluation of existing structures; earthquake engineering

**Selected Publications:**

Wood, S.L., Stanton, J.F., and Hawkins, N.M., “Development of New Seismic Design Provisions for Diaphragms Based on the Observed Behavior of Precast Concrete Parking Garages during the 1994 Northridge Earthquake,” Journal, Precast/Prestressed Concrete Institute, Vol. 45, No. 1, January/February 2000, pp. 50-65  
  
Breña, S.F., Wood, S.L., and Kreger, M.E., “Increasing the Flexural Capacity of Typical Reinforced Concrete Bridges in Texas using Carbon Fiber Reinforcing Polymer Composites,” Research Report 1776-2, Ferguson Structural Engineering Laboratory, University of Texas, May 2001  
  
Sittipunt, C., Wood, S.L., Lukkunaprasit, P., and Pattararattanakul, P., “Cyclic Behavior of Reinforced Concrete Structural Walls with Diagonal Web Reinforcement,” Structural Journal, American Concrete Institute, Vol. 98, No. 4, July/August 2001, pp. 554-562  
  
Wood, S.L. and Neikirk, D.P., “Development of a Passive Sensor to Detect Cracks in Welded Steel Construction,” Proceedings, U.S.-Japan Cooperative Research in Urban Earthquake Disaster Mitigation, Third Grantees Meeting, Seattle, Washington, August 2001  
  
Posada, M. and Wood, S.L., “Seismic Performance of Precast Industrial Buildings in Turkey,” Proceedings, 7th U.S. National Conference on Earthquake Engineering, Earthquake Engineering Research Institute, Boston, MA, Paper 543, July 2002