

CURRICULUM VITAE

March 2002

PERSONAL

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EDUCATION

- Ph.D. in Structural Engineering, Cornell University, January, 1981
- M.S. in Civil Engineering, University of Kentucky, August, 1976
- B.S. in Civil Engineering, University of Kentucky, May, 1974

AREAS OF RESEARCH SPECIALIZATION

Composite Structures
Static/Dynamic/Earthquake Analysis of Thin-Walled Steel Structures
Computational Hydrology

PUBLICATIONS¹

REFEREED PAPERS: Journal and Book

1. Blandford, G.E., Tauchert, T.R. and Du, Y. (1999), "Self-Strained Piezothermoelastic Composite Beam Analysis Using First-Order Shear Deformation Theory," *Composites Part B Engineering Journal*, **60**, 51-63.
2. Penn, L.S., Blandford, G.E., Jump, J.B. and Greenfield, M.J. (1999), "Use of the Free Vibration Spectrum to Detect Delamination Thick Composites," *Journal of Composite Materials*, **33**(1), 54-72.
3. Xiao, W.-M. and Blandford, G.E. (1998), "Layerwise Composite Plate Analysis Using an Element Template Methodology", *Journal of Engineering Mechanics*, ASCE, **124**(5), 587-590.
4. Blandford, G.E. (1997), "A Review of Progressive Failure Analysis for Truss Structures", *Journal of Structural Engineering*, ASCE, **123**(2), 122-129.

¹ Student co-author names are underlined.

5. Gupta, P., Wang, S.T. and Blandford, G.E. (1996), "Lateral-Torsional Buckling of Non-Prismatic I-Beams", *Journal of Structural Engineering*, ASCE, **122**(7), 748-755.
6. Blandford, G.E. (1996), "Large Deformation Analysis of Inelastic Space Truss Structures", *Journal of Structural Engineering*, ASCE, **122**(4), 407-415.
7. Blandford, G.E. (1996), "Progressive Failure Analysis of Inelastic Space Truss Structures", *Computers and Structures*, **58**(5), 981-990.
8. Chen, H. and Blandford, G.E. (1995), "FE Model for Thin-Walled Space Frame Flexible Connection Behavior", *Journal of Structural Engineering*, ASCE, **121**(10), 1514-1521.
9. Blandford, G.E. (1994), "Stability Analysis of Thin-Walled Space Frames", *Computers and Structures*, **53**, 839-847.
10. Jonnalagadda, K.D., Blandford, G.E. and Tauchert, T.R. (1994), "Piezothermoelastic Composite Plate Analysis Using First-Order Shear Deformation Theory", *Computers and Structures*, **51**(1), 79-89.
11. Chandramouli, S., Wang, S.T. and Blandford, G.E. (1994), "Stability Response of Flexibly Connected Cold-Formed Steel Space Frames", *Thin-Walled Structures*, **18**, 333-346.
12. Blandford, G.E. and Wang, S.T., "Response of Space Trusses During Progressive Failure", *Dynamic Response and Progressive Failure of Special Structures*, ASCE, R. Malla (Editor), 1993, pp. 1-16.
13. Jonnalagadda, K.D., Tauchert, T.R. and Blandford, G.E. (1993), "High-Order Thermoelastic Composite Plate Theories: An Analytic Comparison", *Journal of Thermal Stresses*, **16**(3), 265-284.
14. Chen, H. and Blandford, G.E. (1993), "Work-Increment-Control Method for Nonlinear Analysis", *International Journal for Numerical Methods in Engineering*, **36**, 909-930.
15. Blandford, G.E. and Ormsbee, L. (1993), "A Diffusion Wave Finite Element Model for Channel Networks", *Journal of Hydrology*, **142**, 99-120.
16. Chen, H. and Blandford, G.E. (1991), "Thin-Walled Space Frames: I. Large Deformation Analysis Theory", *Journal of Structural Engineering*, ASCE, **117**(8), 2499-2520.
17. Chen, H. and Blandford, G.E. (1991), "Thin-Walled Space Frames: II. Algorithmic Details and Applications", *Journal of Structural Engineering*, ASCE, **117**(8), 2521-2539.
18. Blandford, G.E. and Meadows, M.E. (1990), "Finite Element Simulation of Nonlinear Kinematic Surface Runoff", *Journal of Hydrology*, **119**, 335-356.
19. Blandford, G.E. (1990), "Thin-Walled Space Frame Analysis with Geometric and Flexible Connection Nonlinearities", *Computers and Structures*, **35**(5), 609-617.
20. Chen, H. and Blandford, G.E. (1989), "A C^0 Finite Element Formulation for Thin-Walled Beams", *International Journal for Numerical Methods in Engineering*, **28**, 2239-2255.

21. Hardin, B.O. and Blandford, G.E. (1989), "Elasticity of Particulate Materials", *Journal of Geotechnical Engineering*, ASCE, **115**(6), 788-805.
22. Blandford, G.E., Tauchert, T.R. and Leigh, D.C. (1989), "Nonlinear Analysis of Axisymmetric Layered Pressure Vessels: Part 1 - Theory", *Journal of Pressure Vessel Technology*, ASME, **111**(2), 113-119.
23. Leigh, D.C., Tauchert, T.R. and Blandford, G.E. (1989), "Nonlinear Analysis of Axisymmetric Layered Pressure Vessels: Part 2 - Steady State Applications", *Journal of Pressure Vessel Technology*, ASME, **111**(2), 120-123.
24. Hill, C.D., Blandford, G.E. and Wang, S.T. (1989), "Post-Buckling Analysis of Steel Space Trusses", *Journal of Structural Engineering*, ASCE, **115**(4), 900-919.
25. Blandford, G.E. (1988), "Static Analysis of Flexibly Connected Thin-Walled Plane Frames", *Computers and Structures*, **28**(1), 105-113.
26. Turner, L.W., Blandford, G.E., Loewer, O.J. and Taul, K.L. (1987), "A Finite Element Model of Heat Transfer in the Bovine; Part 1: Theory", *TRANSACTIONS of the ASAE*, **30**(3), 768-774.
27. Blandford, G.E. and Glass, G.C., "Static/Dynamic Analysis of Locally Buckled Frames", *Journal of Structural Engineering*, ASCE, Vol. 113, No. 2, February 1987, pp. 263 - 280.
28. Blandford, G.E. and Tauchert, T.R. (1985), "Nonlinear Thermoelastic Analysis of Layered Structures", *Finite Elements in Analysis and Design*, **1**(3), 271-285.
29. Blandford, G.E. and Tauchert, T.R. (1985), "Thermoelastic Analysis of Layered Structures with Imperfect Thermal Contact", *Computers and Structures*, **21**(6), 1283-1291.
30. Ingrassia, A.R., Blandford, G.E. and Liggett, J.A. (1983), "Automatic Modeling of Mixed-Mode Fatigue and Quasi-Static Crack Propagation Using the Boundary Element Method", *Fracture Mechanics: Fourteenth Symposium - Volume I; Theory and Analysis*, ASTM STP 791, J.C. Lewis and G. Sines, Editors, American Society for Testing and Materials, I-407-I-426.
31. Blandford, G.E., Ingrassia, A.R. and Liggett, J.A. (1981), "Two-Dimensional Stress Intensity Factor Computations Using the Boundary Element Method", *International Journal for Numerical Methods in Engineering*, **17**, 387-404.
32. Wang, S.T. and Blandford, G.E. (1976), "Comparison of Boundary Integral Equation and FE Method", *Journal of the Structures Division*, ASCE, **102**(ST9), 1939-1947.

DISCUSSION PAPERS

1. Chen, H. and Blandford, G.E. (1992), Closure for paper "Thin-Walled Space Frames: I. Large Deformation Analysis Theory", *Journal of Structural Engineering*, ASCE, **118**(9), 2641-2642.
2. Hill, C.D., Blandford, G.E. and Wang, S.T. (1991), Closure for paper "Post-Buckling Analysis of Steel Space Trusses", *Journal of Structural Engineering*, ASCE, **117**(12), 3829-3831.

3. Wang, S.T., Blandford, G.E. and Wang, N.T. (1984), Discussion of “Post-Buckling of Plates in Compression and Bending”, *Journal of the Structures Division*, ASCE, **110**(ST1), 172-174.

PROCEEDINGS: Full Paper Published and Reviewed

1. Gupta, P., Wang, S.T. and Blandford, G.E. (1996), “Effect of Bracing Stiffness on Buckling Strength of Cold-Formed Steel Columns”, *Thirteenth International Specialty Conference on Cold-Formed Steel Structures*, October 17-18, St. Louis, MO, 335-347.
2. Fu, X., Tauchert, T.R. and Blandford, G.E. (1995), “Optimum Design of Piezoelectric Elements for Deformation Suppression in Laminated Plates”, *Design Optimization of Composite Material Components, International Conference on Composites Engineering II*, August 21-24, V.E. Verijenko and S. Adali (Editors), New Orleans, LA, 2 pages.
3. Xu, Y., Tauchert, T.R. and Blandford, G.E. (1993), “Piezothermoelastic Analysis of an Antisymmetric, Angle-Ply Laminate Using a High-Order Displacement Formulation”, *Composite Materials and Structures*, ASME, AD-Vol. 37, AMD-Vol. 179, C.W. Bert, V. Birman and D. Hui (Editors), 89-102.
4. Chandramouli, S., Wang, S.T. and Blandford, G.E. (1992), “Flexibly Connected Thin-Walled Space Frame Stability”, *Eleventh International Specialty Conference on Cold-Formed Steel Structures*, October 20-21, St. Louis, MO, 395-404.
5. Blandford, G.E. (1990), “Current Research on Cold-Formed Steel Structures”, *Tenth International Specialty Conference on Cold-Formed Steel Structures*, October 23-24, St. Louis, MO, 649-668.
6. Blandford, G.E. and Chowdhury, A.H. (1988), “Current Research on Cold-Formed Steel Structures”, *Ninth International Specialty Conference on Cold-Formed Steel Structures*, November 8-9, St. Louis, MO, 697-712.
7. Wang, S.T., Blandford, G.E. and Hill, C.D. (1988), “Nonlinear Analysis of Steel Space Trusses”, *Ninth International Specialty Conference on Cold-Formed Steel Structures*, November 8-9, St. Louis, MO, 295-312.
8. Blandford, G.E., Tauchert, T.R. and Leigh, D.C. (1988), “Effect of Internal Pressure on Thermoelastic Stresses in a Layered Vessel”, *Advances in Macro-Mechanics of Composite Material Vessels and Components*, PVP-Vol. 146, ASME, Proceedings of the 1988 ASME Pressure Vessels and Piping Conference, June 19-23, D. Hui and T.J. Kozik (Editors), Pittsburgh, PA, 129-136.
9. Blandford, G.E. and Glass, G.C. (1986), “Earthquake Response of Locally Buckled Frames”, *Eighth International Specialty Conference on Cold-Formed Steel Structures*, St. Louis, MO, November 11-12, 311-327.
10. Blandford, G.E., Wang, S.T. and Wang, N.T. (1984), “Geometric Nonlinear Dynamic Analysis of Locally Buckled Frames”, *Seventh International Specialty Conference on Cold-Formed Steel Structures*, November 13-14, St. Louis, MO, 167-187.

11. Blandford, G.E. and Meadows, M.E. (1984), "Finite Element Simulation of Kinematic Surface Runoff", *Finite Elements in Water Resources, Proceedings of the 5th International Conference*, June 18-24, The University of Vermont, Burlington, VT, 153-164.
12. Peters, N., Blandford, G.E. and Meadows, M.E. (1983), "Finite Element Simulation of Overland Flow", *1983 ASCE Specialty Conference of the Irrigation and Drainage Division - Advances in Irrigation and Drainage: Surviving External Pressures*, July 20-22, Jackson, WY, 466-475.
13. Blandford, G.E., Wang, S.T. and Wang, N.T. (1982), "Dynamic Behavior of Locally Buckled Frames", *Sixth International Specialty Conference on Cold-Formed Steel Structures*, November 16-17, St. Louis, MO, 349-368.
14. Ingraffea, A.R., Saouma, V., Blandford, G.E. and Chappell, J. (1980), "Crack Propagation in Rock and Concrete Structures", *International Symposium on Absorbed Specific Energy and Strain Energy Density Criterion*, Budapest, Hungary, 207-221.
15. Wang, S.T. and Blandford, G.E. (1978), "Stability Analysis of Locally Buckled Frames", *Fourth International Specialty Conference on Cold-Formed Steel Structures*, St. Louis, MO, 497-512.

PROCEEDINGS: Full Paper Published based on Abstract Review

1. Gupta, P., Wang, S.T. and Blandford, G.E. (1998), "Stability and Bracing of Thin-Walled Columns", *Proceedings of the 2nd International Conference on Thin-Walled Structures*, December 2-4, Singapore, 8 pp.
2. Blandford, G.E. (1996), "Progressive Failure Analysis of Truss Structures", *Proceedings of the 5th International Colloquium: Future Direction in Stability Research & Design*, Structural Stability Research Council, April 15-18, Chicago, IL, 373-382.
3. Gupta, P., Wang, S.T. and Blandford, G.E. (1996), "Effects of Bracing Stiffness on Buckling Strength of Columns", *Proceedings of the 5th International Colloquium: Future Direction in Stability Research & Design*, Structural Stability Research Council, April 15-18, Chicago, IL, 333-342.
4. Gupta, P., Chen, H. and Blandford, G.E. (1996), "Geometrically Nonlinear Stability Analysis of Flexibly Connected Thin-Walled Space Frames", *Proceedings of the 5th International Colloquium: Future Direction in Stability Research & Design*, Structural Stability Research Council, April 15-18, Chicago, IL, 279-288.
5. Khatter, N., Blandford, G.E. and Wang, S.T. (1994), "Large Deformation Analysis of Lattice Truss Structures Including Hysteretic Material Behavior", *Spatial, Lattice and Tension Structures, ASCE, Proceedings of the IASS-ASCE International Symposium 1994*, April 24-28, J.F. Abel, J.W. Leonard and C.U. Penalba (Eds), Atlanta, GA, 498-508.
6. Tauchert, T.R., Jonnalagadda, K.D. and Blandford, G.E. (1993), "Thermal Buckling of Laminated Plates Using High-Order Deformation Theories", *Proceedings of the Ninth Interna-*

tional Conference on Composite Materials (ICCM/9), July 12-16, Vol. VI, A. Miravete (Editor), Madrid, Spain, 394-401.

7. Jonnalagadda, K.D., Tauchert, T.R. and Blandford, G.E. (1993), "High-Order Displacement Formulation for a Piezothermoelastic Laminate", *Mechanics of Electromagnetic Materials and Structures*, ASME, AMD-Vol. 161, MD-Vol. 42, J.S. Lee, G.A. Maugin and Y. Shindo (Eds.), 145-159.
8. Blandford, G.E., Wang, S.T. and Khatter, N. (1991), "Stability and Inelastic Post-Buckling Analysis of Lattice Domes", *Structures Congress '91 Compact Papers*, ASCE, April 29 - May 1, Indianapolis, IN, 108-111.
9. Blandford, G.E., Wang, S.T. and Khatter, N. (1991), "Stability and Inelastic Post-Buckling Analysis of Lattice Domes", *Proceedings of the SSRC Conference on Inelastic Stability Analysis*, April 16-17, Chicago, IL, 209-221.
10. Carlberg, R.C., Jr., Blandford, G.E. and Wang, S.T. (1990), "Stability Analysis of Steel Space Frames with Flexible Connections and Partial Warping Rigidity", *Proceedings of the SSRC Conference on the Stability of Bridges*, April 9-11, St. Louis, MO, 121-131.
11. Wang, S.T., Blandford, G.E., Hill, C.D. and Waddle, S. (1989), "Stability and Post-Buckling Analysis of Locally Buckled Steel Space Trusses", *Proceedings of the Fourth International Colloquium on Stability of Metal Structures*, April 17-19, New York, 273-285.
12. Blandford, G.E., Wang, S.T. and Carlberg, R.C., Jr. (1988), "Stability of Steel Space Frames with Flexible Connections", *Proceedings of the SSRC Conference on Computer Technology Applied to Structural Stability*, April 26-27, Minneapolis, MN, 83-94.
13. Blandford, G.E., Wang, S.T. and Hill, C.D. (1988), "Stability and Post-Buckling Analysis of Steel Space Trusses", *Proceedings of the SSRC Conference on Computer Technology Applied to Structural Stability*, April 26-27, Minneapolis, MN, 309-320.
14. Blandford, G.E. and Glass, G.C. (1987), "Flexibly Connected Thin-Walled Steel Frame Response", Materials and Member Behavior, *Proceedings of the Structures Congress '87*, August 17-20, Duane S. Ellifritt (Editor), Orlando, FL, 30-45.
15. Glass, G.C. and Blandford, G.E. (1986), "DYNFAP: DYNAMIC Nonlinear Frame Analysis Program", *4th National Conference on Microcomputers in Civil Engineering*, November 5-7, Orlando, FL, 93-97.
16. Wang, S.T., Galloway, L.M. and Blandford, G.E. (1985), "2-D and 3-D Finite Element Analysis of Room-Pillar Mining Systems with Flat and Rolling Seams", *26th U.S. Symposium on Rock Mechanics*, June 26-28, Rapid City, SD, 231-238.
17. Turner, L.W., Loewer, O.J., Blandford, G.E., Taul, K.L., Muntifering, R.B. and Gay, N. (1985), "A Finite Element Model of Heat Transfer in the Bovine", *1985 Summer Meeting of the American Society of Agricultural Engineers*, June 23-26, East Lansing, MI, 34 pp.
18. Gonsalves, I.R., Ferrell, L.K., Blandford, G.E. and Tauchert, T.R. (1984), "Microcomputer Pre- and Post-Processing Algorithms for Axisymmetric Thermal Stress Finite Element Analy-

sis”, *2nd National Conference on Microcomputers in Civil Engineering*, October 30 - November 1, Orlando, FL, 4 pp.

19. Blandford, G.E., Ingraffea, A.R. and Liggett, J.A. (1979), “Mixed-Mode SIF Calculations Using the BEM”, *Third ASCE/EMD Specialty Conference*, Austin, TX, 797-800.
20. Liggett, J.A., Gallagher, R.H., Salmon, J. and Blandford, G.E. (1978), “A Graphical Computation System for Three-Dimensional Lake Circulation and Contaminant Dispersion”, *Verification of Mathematical and Physical Models in Hydraulic Engineering*, 26th Annual Hydraulics Division Specialty Conference, August 9-11, University of Maryland, College Park, MD, 12 pp.

PROCEEDINGS: Full Paper Published but Not Reviewed

1. Tzou, H.S., Blandford, G.E. and Venkayya, V.R. (2001), “Distributed Control of Nonlinear Aircraft Structures Including Aerodynamic and Temperature Interactions”, *Air Force Office of Scientific Research – Structural Mechanics Workshop*, October 18-20, Washington, D.C., 6 pp.
2. Tzou, H.S., Blandford, G.E. and Venkayya, V.R. (1999), “Distributed Control of Nonlinear Aircraft Structures Including Aerodynamic and Temperature Interactions”, *Air Force Office of Scientific Research – Structural Mechanics Workshop*, September 27-29, Wright Patterson Air Force Base, OH, 165-170.
3. Blandford, G.E., Leigh, D.C., Tauchert, T.R. and Tracy, M.A. (1986), “Thermal Stress Analysis of Layered Pressure Vessels”, *Manufacturing Processes, Machines and Systems*, November 18-21, University of Florida, Gainesville, FL, 309-321.
4. Blandford, G.E., Leigh, D.C., Tauchert, T.R. and Tracy, M.A. (1985), “Design-By-Analysis of Layered Pressure Vessels”, *Advanced Systems for Manufacturing*, May 14-17, University of Wisconsin, Madison, WI, 311-322.
5. Leigh, D.C., Tauchert, T.R., Blandford, G.E. and Tracy, M.A. (1984), “Behavior and Analysis of Layered Pressure Vessels”, *Computer-Based Factory Automation*, 11th Conference on Production Research and Technology, May 21-23, Carnegie-Mellon University, Pittsburgh, PA, 303-309.

PROCEEDINGS: Abstract Reviewed and Published

1. Blandford, G.E. and Sparling, B. (1999), “Dynamic Analysis of Lattice Towers,” *Structural Engineering in the 21st Century*, Proceedings of the 1999 Structures Congress, American Society of Civil Engineers, R. Richard Avent and Mohamed Alawady (Editors), April 19-21, New Orleans, LA, pp. 975-978.
2. Du, Yu, Blandford, G.E. and Tauchert, T.R. (1998), “Self-Strained Piezothermoelastic Composite Beam Analysis Using First-Order Shear Deformation Theory,” *Proceedings of the Fifth International Conference on Composites Engineering, ICCE/5*, David Hui (Editor), July 5-11, 93-94.

3. Jonnalagadda, K.D., Tauchert, T.R. and Blandford, G.E. (1994), "Free Vibration of Laminated Plates According to a Third-Order Displacement Theory", *Proceedings of International Conference on Composites Engineering, ICCE/I*, David Hui (Editor), August 29-31, 513-514.
4. Blandford, G.E. and Ormsbee, L.E. (1993), "A Diffusion Wave Finite Element Model for Channel Networks", *Kentucky Water Resources Symposium*, December 16, University of Kentucky, Lexington, KY, 85-86.
5. Blandford, G.E. and Wang, S.T. (1993), "Response of Space Trusses During Progressive Failure", *Abstracts, MEET'N'93, First Joint ASCE/ ASME/SES Meeting*, June 6-9, C.T. Herakovich and J.M. Duva (Editors), University of Virginia, Charlottesville, VA, 637.
6. Jonnalagadda, K.D., Tauchert, T.R. and Blandford, G.E. (1993), "High-Order Displacement Formulation for a Piezothermoelastic Laminate", *Abstracts, MEET'N'93, First Joint ASCE/ASME/SES Meeting*, June 6-9, C.T. Herakovich and J.M. Duva (Editors), University of Virginia, Charlottesville, VA, 182.
7. Blandford, G.E., Wang, S.T. and Hill, C.D. (1988), "Inelastic Post-Buckling Analysis of Steel Space Trusses", *Engineering Mechanics - 7th Conference Abstracts*, May 23-25, Blacksburg, VA, 256.

RESEARCH REPORTS

1. Ormsbee, L.E., Blandford, G.E., Montgomery, J.S., Terrell, L.B., Barfield, B.J. and Storm, D.E. (1990), *Hydrology and Sedimentology of Dynamic Rill Networks: Volume II - Hydrologic Model for Dynamic Rill Networks*, U.S. Geologic Survey Final Report, 62 pp.
2. Hardin, B.O. and Blandford, G.E. (1988), *Three-Dimensional Elasto-Plastic Analysis for Soils*, Air Force Office of Scientific Research Final Report, 84 pp.
3. Hardin, B.O. and Blandford, G.E. (1987), *Three-Dimensional Elasto-Plastic Analysis for Soils*, Air Force Office of Scientific Research Annual Report, 150 pp.
4. Leigh, D.C., Tauchert, T.R., Blandford, G.E. and Tracy, M.A. (1986), *Behavior and Analysis of Layered Pressure Vessels*, Final Report to the National Science Foundation.
5. Hardin, B.O. and Blandford, G.E. (1986), *Three-Dimensional Elasto-Plastic Analysis for Soils*, Air Force Office of Scientific Research Annual Report, 153 pp.
6. Blandford, G.E. and Hardin, B.O. (1985), *Three-Dimensional Elasto-Plastic Analysis for Soils*, Air Force Office of Scientific Research Annual Report, 170 pp.
7. Blandford, G.E. (1984), *Finite Element Simulation of Two-Dimensional Saturated-Unsaturated Subsurface Flow*, U.S. Department of the Interior, Office of Water Planning, 61 pp.
8. Meadows, M.E. and Blandford, G.E. (1983), *Improved Methods and Guidelines for Modeling Runoff from Surface Coal Mined Lands*, U.S. Department of the Interior, Office of Water Research and Technology, Report No. B-069-KY, 133 pp.

9. Blandford, G.E., Peters, N. II and Meadows, M.E. (1983), *Development of Models for Simulating Stormwater Runoff from Surface Coal Mined Lands - Finite Element Simulation of Overland Flow*, Vol. II, U.S. Department of the Interior, Office of Surface Mining, Research Division, Washington, D.C., Report No. G5115213, 161 pp.
10. Blandford, G.E., Ingraffea, A.R. and Liggett, J.A. (1981), *Automatic Two-Dimensional Quasi-Static and Fatigue Crack Propagation Using the Boundary Element Method*, Report No. 81-3, Department of Structural Engineering, Cornell University, Ithaca, NY, 276 pp.
11. Wang, S.T., Blandford, G.E. and Galloway, L.M. (1978), *Finite Element Analysis of Pillar-Roof Systems in Coal Mines*, IMMR Report, University of Kentucky, Lexington, KY, 103 pp.
12. Wang, S.T., Galloway, L.M. and Blandford, G.E. (1978), *Two-Dimensional Finite Element Analysis of Coal Mine Systems with Flat and Rolling Coal Seams*, IMMR Report, University of Kentucky, Lexington, KY, 70 pp.
13. Wang, S.T., Blandford, G.E. and Galloway, L.M. (1976), *A Bibliography on Analysis and Design of Coal Mine Structures Using Finite Element Techniques*, IMMR 13-MI-76, University of Kentucky, Lexington, KY, 88 pp.

PRESENTATIONS

INVITED LECTURES, SEMINARS AND WORKSHOPS

1. "Progressive Failure Analyses for Truss Structures", Skilling, Ward, Magnusson, Barkshire, Inc., Seattle, WA, December 8, 1997.
2. "Large Deformation Analysis of Space Truss Structures Including Hysteretic Material Behavior", Center for Computational Sciences Seminar, University of Kentucky, Lexington, KY, February 1993.
3. "Stability and Post-Buckling Analysis of Steel Space Trusses", Department of Civil Engineering, Texas A&M University, College Station, TX, May 1989.
4. "Computer-Aided Analysis and Design of Steel Space Structures", NSF Site Visit Poster Session: Kentucky EPSCoR Program - Component Project 5, University of Kentucky, Lexington, KY, April 1989.
5. "Nonlinear Thermoelastic Finite Element Analysis of Axisymmetric Layered Pressure Vessels", Computational Methods Research Group Seminar, University of Kentucky, Lexington, KY, November 1985.
6. "Dynamic Behavior of Locally Buckled Frames", Department of Mechanical Engineering, University of Kentucky, Lexington, KY, December 1982.
7. "The Boundary Element Method for Two-Dimensional Stress Intensity Factor Calculations", Department of Civil Engineering, Syracuse University, Syracuse, NY, November 1979.
8. "Graphical Computation System for 3-D Lake Circulation and Contaminant Dispersion", Department of Civil and Environmental Engineering and Department of Structural Engineering, Cornell University, Ithaca, NY, April 1978.

TECHNICAL CONFERENCES²

1. "Dynamic Analysis of Lattice Towers," *Structural Engineering in the 21st Century*, Proceedings of the 1999 Structures Congress, American Society of Civil Engineers, April 19-21, New Orleans, LA.
2. "Self-Strained Piezothermoelastic Composite Beam Analysis Using First-Order Shear Deformation Theory," *Fifth International Conference on Composites Engineering, ICCE/5*, July 5-11, 1998, Las Vegas, NV.
3. "Progressive Failure Analysis of Truss Structures", *5th International Colloquium: Future Direction in Stability Research & Design*, April 18, 1996, Chicago, IL.
4. "Large Deformation Analysis of Lattice Truss Structures Including Hysteretic Material Behavior", *IASS-ASCE International Symposium 1994*, Atlanta, GA, April 26, 1994.
5. "A Diffusion Wave Finite Element Model for Channel Networks", *Kentucky Water Resources Symposium*, University of Kentucky, Lexington, KY, December 16, 1993.
6. "Response of a Tower Space Truss During Progressive Failure", *MEET' N'93, The 1st Joint Mechanics Meeting of ASME/ASCE/SES*, University of Virginia, Charlottesville, VA, June, 1993.
7. "Stability and Inelastic Post-Buckling Analysis of Lattice Domes", *SSRC Conference on Inelastic Stability Analysis*, Chicago, IL, April 1991.
8. "Stability Analysis of Steel Space Frames with Flexible Connections and Partial Warping Rigidity", *SSRC Conference on the Stability of Bridges*, St. Louis, MO, April 1990.
9. "Inelastic Post-Buckling Analysis of Steel Space Trusses", *Seventh ASCE/EMD Specialty Conference*, Blacksburg, VA, May 1988.
10. "Stability Analysis of Flexibly Connected Thin-Walled Space Frames", *SSRC Conference on Computer Technology Applied to Structural Stability*, Minneapolis, MN, April 1988.
11. "Stability and Post-Buckling Analysis of Steel Space Trusses", *SSRC Conference on Computer Technology Applied to Structural Stability*, Minneapolis, MN, April 1988.
12. "Flexibly Connected Thin-Walled Steel Frame Response", *Sixth Annual Structures Congress*, Orlando, FL, August 1987.
13. "Earthquake Response of Locally Buckled Frames", *Eighth International Specialty Conference on Cold-Formed Steel Structures*, St. Louis, MO, November 1986.
14. "Geometric Nonlinear Dynamic Analysis of Locally Buckled Frames", *Seventh International Specialty Conference on Cold-Formed Steel Structures*, St. Louis, MO, November 1984.

² All conference papers have been presented, this list shows the conference papers presented by George E. Blandford

15. "Finite Element Simulation of Kinematic Surface Runoff", *5th International Conference on Finite Elements in Water Resources*, Burlington, VT, June 1984.
16. "Dynamic Behavior of Locally Buckled Frames", *Sixth International Specialty Conference on Cold-Formed Steel Structures*, St. Louis, MO, November 1982.
17. "Mixed-Mode SIF Calculations Using the BEM", *Third ASCE/EMD Specialty Conference*, Austin, TX, September 1979.