

**THE UNIVERSITY OF BRITISH COLUMBIA**

*Publications Record*

**SURNAME:** Stiemer

**FIRST NAME:** Siegfried

**Initials:** \_\_\_\_\_

**MIDDLE NAME (S):** F

**Date:** April 2008

**1. REFEREED PUBLICATIONS**

(a) *Journals*

1. Chang, K.H., Jang, G.J., Stiemer, S.F., Loewen, N., 2010, "Dynamic Hysteretic Characteristics of the High Strength Steels (POSTEN60, POSTEN80) and Application of Dynamic Hysteresis Model to FE Analysis, paper accepted for publication in ASCE Journal of Materials in Civil Engineering, MTENG-185R1, 18 pages.
  2. Bae, K.W., Park, K.S., Choi, Y.-H., Stiemer, S.F., 2009, "Structural Resistance of Longitudinal Double Plates-to-RHS Connections," Journal of Constructional Steel Research 65 (2009) 940–947.
  3. Zhou, Y., Stiemer, S.F., 2008, "Evaluation of Metal Fatigue Problems using Qualitative Reasoning Approach," Journal of Tsinghua Science and Technology, Elsevier, Vol.13, No. S1, October 2008, ISSN1007-0214, Beijing, China.
  4. Varoglu, E., Karacabeyli, E., Stiemer, S.F., Ni, C., Buitelaar, M., Lungu, D., 2007, "The Midply Wood Shear Wall Performance in Dynamic Testing," ASCE Journal of Structural Engineering, Manuscript number: ST/2006/024999, Vol. 133, No. 7, July 1, 2007.
  5. Zhou, Y., Stiemer, S.F., 2007, "Engineering Analysis with Uncertainties and Complexities, Using Reasoning Approaches," ASCE Journal of Computing in Civil Engineering, ASCE Manuscript number: CP/2005/022700, Sep./Oct. 2007, Vol.21, Number 5 pp.353-362.
  6. Gedig, M.H., Stiemer, S.F., 2006, "Decision Tools for the Engineering of Steel Structures", Electronic Journal of Structural Engineering, 1443-9255, Volume 6 (2006), pp.19-39.
  7. Varoglu, E., Karacabeyli, E., Stiemer, S. F. and Ni,C., 2006, "The Midply Wood Shear Wall System: Concept and Performance in Static and Cyclic Testing", ASCE Journal of Structural Engineering, Vol 132, No.9.
  8. Bae, K.W., Park, K.-S., Choi, Y.-H., Moon T.-S., Stiemer, S.F., 2006, "Behavior of Branch-rotated T-joints with Cold-formed Square Hollow Sections", Canadian Journal of Civil Engineering, Volume 33, Number 7, July 2006, pp 827-836.
  9. Kang, H.-S., Lim, S.-H., Moon, T.-S., Stiemer, S. F., 2005, "Experimental study on the behavior of CFT stub columns filled with PCC subject to concentric compressive loads", International Journal, Steel and Composite Structures, Vol. 5, No. 1 (2005) pp.17-34.
  10. Gedig, M.H., Stiemer, S.F., 2003, "Qualitative and Semi-Quantitative Reasoning Techniques for Engineering Projects at Conceptual Stage", Electronic Journal of Structural Engineering, ISSN 1443-9255, Volume 3 (2003), pp.67-88.
  11. Gedig, M.H., Stiemer, S.F., 2003, "A Method for the Automatic Generation of Timber Connection Patterns", Electronic Journal of Structural Engineering, www.ejse.org, ISSN 1443-9255, Volume 3 – 2003, pp.171-183.
  12. Gedig, M.H., Stiemer, S.F., 2003, "A Computer Application to Study Engineering Projects at the Early Stages of Development", Electronic Journal of Structural Engineering, www.ejse.org, ISSN 1443-9255, Volume 3 – 2003, pp.43-66.
  13. Aghakouchak, A., Stiemer, S.F., 2001, "Fatigue Reliability Assessment of Tubular Joints of Existing Offshore Structures", Canadian Journal of Civil Engineering, Vol.28, pp. 691-698.
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14. Steunenberg, M., Sexsmith, R.G., Stiemer, S.F., 1998, "Seismic Behaviour of Steel Pile to Precast Concrete Cap Beam Connections", *Journal of Bridge Engineering*, ASCE, Vol. 3, No. 4, November 1998, pp. 177-185.
  15. Ventura, C.E., Felber, A.J., Stiemer, S.F., 1996, "Determination of the Dynamic Characteristics of the Colquitz River Bridge by Full-Scale Testing", *International Journal of Rock Mechanics and Mining Sciences & Geomechanics Abstracts*, Vol. 33, Issue 8, December 1996, pp. 373A.
  16. Tam, C., Stiemer, S.F., 1996, "Bridge Corrosion Cost Model using a Dynamic Programming Approach", *Journal of Performance of Constructed Facilities of the ASCE*, Vol. 10, No. 2, May 1996, pp. 57-66.
  17. Tam, C., Stiemer, S.F., 1996, "Development of Bridge Corrosion Cost Model for Coating Maintenance", *Journal of Performance of Constructed Facilities of the ASCE*, Vol. 10, No. 2, May 1996, pp.47-56.
  18. Ventura, C.E., Felber, A.J., Stiemer, S.F., 1996, "Full Scale Dynamic Testing of the Colquitz River Bridge", *Canadian Journal of Civil Engineering* 23 (2), April 1996, pp. 536-548.
  19. Lo, D.S.K., Stiemer, S.F., 1995, "A Practical Method for Incorporating Flexible Connections in Plane Frame Analysis", *Canadian Journal of Civil Engineering* 22: 871-882.
  20. Tremblay, R., Stiemer, S.F., 1995, "Seismic Behaviour of Single-Story Steel Structures With Flexible Roof Diaphragm", *Canadian Journal of Civil Engineering* 23: 49-62.
  21. Ventura, C.E., Felber, A.J., Stiemer, S.F., 1995, "Experimental Investigations of the Dynamic Characteristics of the Queensborough Bridge", *ASCE Journal of Performance of Constructed Facilities*, New York, May 1995, pp. 146-155.
  22. Schmalz, T., Stiemer, S.F., 1995, "A Contribution to the Consideration of Design Life of Structures", *ASCE Journal of Performance of Constructed Facilities*, New York, Vol. 9, No. 3, August 1995, pp.206-219.
  23. Felber, A.J., Stiemer, S.F., 1993, "An Object-Oriented Approach to Ambient Vibration Measurement Analysis", *ASCE Journal Computing in Civil Engineering*, New York, Vol. 7, No. 4, October 1993, pp. 420-438.
  24. Forde, B.W.R., Foschi, R.O. and Stiemer, S.F., 1990, "Object-Oriented Finite Element Analysis", *Computers and Structures*, An International Journal, Pergamon Press, Washington, Vol. 34, No. 3, 1990, pp. 355-374.
  25. Forde, B.W.R. and Stiemer, S.F., 1989, "Development of Engineering Software within a Generic Application Framework", *Microcomputer in Civil Engineering*, 4, Elsevier Science Publishing Co., 1989, pp. 205-216.
  26. Forde, B.W.R., Russell, A.D. and Stiemer, S.F., 1989, "Object-Oriented Knowledge Frameworks", *Engineering with Computers*, an International Journal for Computer-Aided Mechanical and Structural Engineering, Springer Verlag, New York, Berlin, Heidelberg, Tokyo, No. 5, 1989, pp. 79-89.
  27. Forde, B.W.R. and Stiemer, S.F., 1989, "Knowledge-Based Control for Finite Element Analysis", *Engineering with Computers*, 5, Springer-Verlag, New York, 1989, pp. 195-204.
  28. Stiemer, S.F. and Lo, D., 1988, "Formatted Spreadsheets for Engineers", *Microcomputers in Civil Engineering*, Elsevier Science Publishing Co., No. 3, 1988, pp. 145-156.
  29. \*Forde, B.W.R. and Stiemer, S.F., 1988, "ESA: Expert Structural Analysis for Engineers", *Computers and Structures - An International Journal*, Pergamon Press Plc., Washington, Vol. 29, No. 1, 1988, pp. 171-174.
  30. Martin, A., Stiemer, S.F. and Osterrieder, P., 1988, "Ultimate Load Capacity of Square Shear Plates with Circular Perforations", *Canadian Journal of Civil Engineering*, Vol. 15, No. 3, 1988, pp. 470-476.
  31. Stiemer, S.F., Taylor P. and Vincent, D., 1987, "Full Scale Dynamic Testing of the Annacis Bridge", *International Journal for Bridge Engineering*, IABSE Periodical P-122/88, 1987, pp. 122-140.
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32. Forde, B.W.R. and Stiemer, S.F., 1987, "Improved Arc Length Orthogonality Methods for Nonlinear Finite Element Analysis", *Computers and Structures - an International Journal*, Pergamon Press Plc., Washington, D.C., Vol. 26, No. 5, 1987, pp. 625-630.
33. Toneff, J., Stiemer, S.F. and Osterrieder, P., 1987, "Local and Overall buckling in Thin-Walled Beam and Columns Using Finite Elements", *ASCE Journal of Structural Engineering*, Vol. 113, No. 4, April 1987, pp. 769-786.
34. Stiemer, S.F., 1986, "Microcomputers in Teaching: Steel Design with Spreadsheets", *International Journal for Microcomputers in Civil Engineering*, Elsevier Science Publishers, Inc., New York, Vol. 1, 1986, pp. 165-786.
35. Forde, B. and Stiemer, S.F., 1985, "Steel Construction Evaluation by MLR-Strategies", *ASCE Journal of Construction Engineering and Management*, Vol. 111, No.2, June 1985, pp. 148-156.
36. Stiemer, S.F. and Barwig, B.B., 1985, "Seismic Base Isolation for Steel Structures", *Canadian Journal of Civil Engineering*, March 1985, pp. 73-81.

(b) *Refereed Conference Proceedings*

1. Stiemer, S.F., Tesfamariam, S., Propovski, M., Karacabeyli, E., 2011, "Development of Steel-Wood Hybrid Systems for Buildings under Dynamic Loads", accepted for presentation at STESSA 2012, Santiago, Chile, January 9-11, 2012.
  2. Stiemer, S.F., Tesfamariam, S., Zhou, Y., 2011, "Solid State Steel Energy Dissipators for Hybrid Structures and Large Equipment", accepted for presentation at STESSA 2012, Santiago, Chile, January 9-11, 2012.
  3. Loewen, N., Stiemer, S.F., 2011, "Conceptual Steel Design Using Probabilistic Interval Constraint Satisfaction Strategies", accepted for presentation at EUROSTEEL 2011, 6th European Conference on Steel and Composite Structures, August 31- September 2, 2011, Budapest, Hungary, ECCS Publications.
  4. Zhou, Y., Stiemer, S.F., 2009, "Integral Energy Absorbing Base Isolators for Large Industrial Equipment for Retrofitting and OEM, 11th World Conference on Seismic Isolation, Energy Dissipation and Active Vibration Control of Structures, Guangzhou, China, Nov. 17-21, 2009, 21 pages.
  5. Zhou, Y., Stiemer, S.F., 2008, "Evaluation of Metal Fatigue Problems using Qualitative Reasoning Approach," presented at ICCCBE-XII & INCITE 2008 Conference October 16.-18., Beijing, 10 pages.
  6. Loewen, N., Stiemer, S.F., 2008, "Probabilistic Constraint Satisfaction Problems for Engineering Applications," presented at the 2008 CSCE Annual Conference - Partnership for Innovation, June 10-13, Québec, QC., 10 pages.
  7. Gedig, M., and Stiemer, S.F., 2008, "Development of Efficient Structural Forms in Conceptual Design". EUROSTEEL 2008, 5th European Conference on Steel and Composite Structures, ECCS Publications.
  8. Gedig, M.H., Stiemer, S.F., 2008, "Methods for Selection of Efficient Forms in Conceptual Structural Design," presented at the 2008 CSCE Annual Conference - Partnership for Innovation, June 10-13, Québec, QC., 10 pages.
  9. Ngan, C., Stiemer, S.F., 2008, "Experimental Investigations of Anchorage Capacity of Precast Concrete Bridge Barrier for Performance Level 2," accepted for presentation at the 2008 CSCE Annual Conference - Partnership for Innovation, June 10-13, Québec, QC., 10 pages.
  10. Ni, C., Popovski, M., Karacabeyli, E., Varoglu, E., Stiemer, S.F., 2007, "Midply Wood Shearwall System: Concept, Performance and Code Implementation", accepted for presentation Working Commission W18 – Timber Structures at the International Council for Research and Innovation in Building and Construction, Meeting 2007 Bled, Slovenia, 28-31 August 2007, 10 pages.
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11. Stiemer, S.F., 2007, "Structural Steel Maintenance and Rehabilitation Methods of Current Canadian Infrastructure", Paper ID: 383, IABSE Symposium in Weimar, Germany, Sept. 10-21, 10 pages.
  12. Stiemer, S.F., Chan, P., 2007, "A Risk-Based Approach to Corrosion Protection and Maintenance of Steel Bridges", Paper ID: 384, IABSE Symposium in Weimar, Germany, Sept. 10-21, 10 pages.
  13. Zhou, Y., Stiemer, S.F., 2006, "Engineering Analysis with Uncertainties and Complexities, using Reasoning Approaches, International Conference on Computing and Decision Making in Civil Engineering and Building Engineering, Montreal, June 14-16, 2006, 10 pages.
  14. Kang, H.S., Lim, S.H., Moon, T.S., Stiemer, S.F., 2004, "Prediction of Compressive Behavior of CFCT Stub Columns on the Basis of Integrated Data Analysis", 13th World Conference on Earthquake Engineering, Vancouver, B.C., Canada, August 1-6, Paper No. 710, 10 pages.
  15. Varoglu, E., Stiemer, S.F., Taylor, R., 1995, "A Configuration Model for Timber Connection Design", Conference on Applications of Artificial Intelligence in Engineering AIENG 95, Udine, Italy, 4-6 July, 10 pages.
  16. Stiemer, S.F. and Forde, B.W.R., 1989, "Knowledge-Based Finite Element Analysis", IABSE Colloquium Proceedings, Bergamo, Italy, Oct. 18-20, 1989, pp. 335-362.
  17. Stiemer, S.F., Wong, H.H. and Ho, A., 1986, "Ultimate Capacity of Single Plate Connectors", Proceedings of the Pacific Structural Steel Conference, Auckland, New Zealand, 4-8 August, 1986, Vol. II, pp. 117-132.
  18. Forde, B., Leung, Y.C. and Stiemer, S.F., 1984, "Computer-Aided Design Evaluation of Steel Structures", 12th Congress of the International Association for Bridge and Structural Engineering, Vancouver, September 3-7, 1984, pp. 421-428.
  19. Stiemer, S.F., 1984, "Retrofit-System to Enhance Earthquake Resistance in Existing Steel Buildings", 12th Congress of the International Association for Bridge and Structural Engineering, Vancouver, Sept. 3-7, 1984, poster presentation.
  20. Stiemer, S.F., 1983, "Load Reduction on Windturbines by a Least-Resistance Design", Reprints of the 6th International Conference on Wind Engineering, Vol. 3, Session 22, Auckland, New Zealand, April 6-7, 1983, 12 pages.
  21. Stiemer, S.F. and Godden, W.G., 1982, "Steel Energy Absorbing Restrainers and Their Incorporation into Nuclear Power Plants for Enhanced Seismic Safety", Proceedings of 7th European Conference on Earthquake Engineering, Athens, Greece, Sept. 6-11, 1982, 8 pages.
  22. Stiemer, S.F. and Smith-Neto, P., 1981 "Experimental Investigations on Materials with Time-Dependent Elastic Properties for Model Tests", COBEM 81, Proceedings of Sixth Brazilian Congress of Mechanical Engineering, Rio de Janeiro, Brazil, December 15-18, 1981, pp. 71-79.
  23. Stiemer, S.F., 1981, "Model Tests on Systems for the Reduction of Loads on Structures of Large Wind-Turbines", proceedings of 4th U.S. Conference on Wind Engineering Research in Seattle, University of Washington, July 26-29, 1981, 8 pages.
  24. Stiemer, S.F. and Godden, W.G., 1980, "Shaking Table Tests of Piping System I", Proceedings of University Council of Earthquake Engineering, 6th National Meeting, Urbana, Illinois, May 1-2, 1980, pp. 151-153.
  25. Stiemer, S.F. and Wessolly, L., 1979, "Messungen an Bauwerken", Proceedings, International Symposium in Stuttgart, "Weitgespannte Flächentragwerke", 1979, pp. 4.7-1 to 4.7-4.
  26. Martin, W. and Stiemer, S.F., 1976, "Modellmembran, Berührungslose Verformungsmessung mit optischen Mitteln", International Symposium in Stuttgart, "Weitgespannte Flächentragwerke", Proceedings, Vol. 2, 1976, pp. 7.7-1 to 7.7-4.
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*(c) Refereed Abstract Conference Proceedings*

1. Halliday, D.J., Stiemer, S.F., 2003, "Decision Aids in the Design and Fabrication of Steel Structures", Annual Conference of the Canadian Society for Civil Engineering, Moncton, Nouveau-Brunswick, Canada, June 4-7, 2003, 10 pages.
  2. Zhou, Y., Stiemer, S.F., 2002, "Bridge Design with Qualitative Analysis", Sixth International Conference on Short and Medium Span Bridge, July 31 – August 2, Vancouver, Proceedings Volume I, pp. 105-113.
  3. Kern, D., Stiemer, S.F., 2002, "Fatigue Evaluation of Steel Bridge Details", Sixth International Conference on Short and Medium Span Bridge, July 31 – August 2, Vancouver, Proceedings Volume I, pp. 859 -867.
  4. Zhou, Y., Stiemer, S.F., 1999, "IT in the Modern Design Office", 1999 Annual Conference of the CSCE, June 1-3, Regina, Proceedings Volume IV, pp. 575-584.
  5. Taylor, R., Stiemer, S.F., Varoglu, E., 1995, "A Contribution to Timber Connection Design Methods with Knowledge Based Expert Systems", 1995 Annual Conference of the CSCE, June 1-3, 1995, Ottawa, Proceedings Volume IV, pp. 575-584.
  2. Stiemer, S.F., 1995, "WISDOM-PRO: An Interactive Textbook Utilizing Hypertext", International Seminar on Computers in Welding Education of Engineering, June 9-10, 1995 in Stockholm, Sweden, International Institute of Welding, 4 pages.
  3. Tremblay, R., Stiemer, S.F., 1994, "Back-up Stiffness for Improving the Stability of Multi-Storey Braced Frames under Seismic Loading", SSRC Annual Technical Meeting 1994, Bethlehem, U.S.A., 15 pages.
  4. Tremblay, R., Stiemer, S.F., 1994, "Seismic Response of Single-Storey Steel Buildings", 12th International Specialty Conference on Cold-Formed Steel Structures, St. Louis, MO, 17 pages.
  5. Stiemer, S.F., Varoglu, E., 1993, "Timber Connection Design Methods with Knowledge Based Expert Systems", Thirteenth International Conference, Avignon '93, EC2, Nanterre Cedex, France, 10 pages.
  6. Stiemer, S.F., Prion, H.G.L., 1990, "Plastic Buckling Capacity of Square Shear Plates with Circular Perforations", Proceedings: Annual Technical Session, S.S.R.C., St. Louis, Missouri, pp. 231-240.
  7. Stiemer, S.F. and Navin, F.P.D., 1990, "Engineering with Spreadsheets - New Tools Improve Teaching, Learning and Practice", Proceedings of the Seventh Canadian Conference on Engineering Education, June 27-28, 1990, pp. 460-475.
  8. Stiemer, S.F. and Prion, H.G.L., 1990, "VIPAR - Visual Instructional Project from Analysis to Response", Proceedings of the Seventh Canadian Conference on Engineering Education, June 27-28, 1990, pp. 443-459.
  9. Navin, F.P.D. and Stiemer, S.F., 1990, "Organizing Spreadsheets to Effectively Solve Engineering Problems", Proceedings of the Annual Conference of the Society for Civil Engineering, Hamilton, 1990, Vol. 2, pp. 820-833.
  10. Stiemer, S.F. and Forde, B.W.R., 1989, "Computer Applications - Facts and Realistic Expectations in Engineering", Proceedings of the Annual Conference of the Canadian Society for Civil Engineering, St. John's, Vol. III, 1989, pp. 134-154.
  11. Stiemer, S.F. and Lo, D.S.K., 1989, "Formatted Spreadsheets for Engineers - a New Alternative in the Use of Spreadsheets", Proceedings of the Annual Conference of the Canadian Society for Civil Engineering, St. John's, Vol. III, 1989, pp. 101-121.
  12. Stiemer, S.F., 1988, "Teaching Steel Design with the Aid of Microcomputers", Proceedings of the Sixth Canadian Conference on Engineering Education, Winnipeg, May 15-17, 1988, 22 pages.
  13. Zhou Fu Lin, Stiemer, S.F. and Cherry, S., 1987, "Prediction of Low Cycle Fatigue Failure for Mild Steel Components", presented at the International Conference on Structural Failure, Singapore, March 30-31, 1987, Vol. 2, Section M, pp. M-67 to M-78.
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14. Stiemer, S.F., 1986, "Design of Ductile Energy Absorbing Devices for Enhancement of Earthquake Resistance", Proceedings of the Third U.S. National Conference on Earthquake Engineering, Charleston, S.C., Vol. III, 24-28 August, 1986, pp. 1923-1934.
15. Stiemer, S.F. and Forde, B.W.R., 1986, "Computer Aided Design Evaluation", Proceedings of the International Conference on Computer-Aided Production Engineering, Edinburgh, 2-4 April 1986, pp. 55-60.
16. Stiemer, S.F., 1986, "Innovative Earthquake Resistant Steel Design", Proceedings of the Canadian Structural Engineering Conference, 1986, 24 pages.
17. Stiemer, S.F. and Forde, B., 1985, "Design Evaluation Utilizing Flexible Estimation and Multiple Linear Regression Analysis by Micro-Computers, Proceedings of the 10th Canadian Congress of Applied Mechanics, CANCAM 85, London, Vol. 2, June 2-7, 1985, E.11.
18. Stiemer, S.F., 1984, "Solid State Steel Energy Absorbers", Proceedings of the Annual Conference of the Canadian Society for Civil Engineering, Halifax, Vol. 1, May 23-25, 1984, pp. 81-96.
19. Stiemer, S.F. and Chow, F.-L., 1984, "Curved Plate Energy Absorbers for Earthquake Resistant Structures", Proceedings of the Eighth World Conference on Earthquake Engineering, San Francisco, Vol. V, July 21-28, 1984, pp. 967-975.
20. Barwig, B., Stiemer, S.F., 1983, "Base Isolation Design for Earthquake Resistant Steel Buildings", Proceedings of the 4th Canadian conference on Earthquake Engineering, Vancouver, June 15-17, 1983, pp. 382-391.
21. Stiemer, S.F., 1983, "Ductile Energy Absorbing Devices for Earthquake Resistant Design", Proceedings of the Ninth Canadian Congress of Applied Mechanics, Saskatoon, May 30-June 3, 1983, pp. 823-824.

(c) *Other*

1. P.E. Dewdney, B. Veidt, A. Gray, A. Willis, B. Carlson, M. Nahon, S. Stiemer, D. Halliday: Poster Presentation "The Canadian Large Adaptive Reflector" submitted and accepted by the Canadian Astronomical Society (CASCA) Annual Meeting, meeting in Hamilton, May 27-29, 2001.
2. Carlson, B.R., et al. incl. Stiemer, S.F., 2000, "The Large Adaptive Reflector: A 200-m diameter, wideband, cm-m wave radio telescope", in Radio Telescopes', Proceedings of the International Society for Optical Engineering (SPIE) Meeting, 4015, pages 33-44, ed. H. R. Butcher, Munich, March, 2000.

## 2. **NON-REFEREED PUBLICATIONS**

(a) *Journals / Newsletters*

1. Stiemer, S.F. and Zhou, Y., 2004, " Engineering Qualitative Analysis and its Application on Fatigue Design of Steel Structures", THE ASSOCIATION OF EUROPEAN CIVIL ENGINEERING FACULTIES (AECEF) NEWSLETTER 2/2004, Board of Officers and with the Secretariat located in Prague, Czech Republic, 12 pages.
  2. Stiemer, S.F. and Chow, M., 2002, " Virtual Education: Better or Worse?", THE ASSOCIATION OF EUROPEAN CIVIL ENGINEERING FACULTIES (AECEF) NEWSLETTER 1/1999, Board of Officers and with the Secretariat located in Prague, Czech Republic, 9 pages.
  3. Stiemer, S.F. and Zhou, Y., 1999, " Information Technology in the Modern Design Office", THE ASSOCIATION OF EUROPEAN CIVIL ENGINEERING FACULTIES (AECEF) NEWSLETTER 1/1999, Board of Officers and with the Secretariat located in Prague, Czech Republic, 8 pages.
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4. Stiemer, S.F. and Zhou, Y., 1996, "Multimedia in Engineering and Engineering Education", THE ASSOCIATION OF EUROPEAN CIVIL ENGINEERING FACULTIES (AECEF) NEWSLETTER 1/1999, Board of Officers and with the Secretariat located in Prague, Czech Republic, 6 pages.
5. Stiemer, S.F. and Forde, B., 1985, "Reduction of Structural Steel Fabrication Costs by Multiple Linear Regression Strategies", Engineering Digest, Engineering Journal of the Canadian Engineering Publications Ltd., Toronto, Vol. 31, Jan. 1985, pp. 18-22.
6. Stiemer, S.F., 1976, "Aeroelastische Modelle", Conference on Experimental Stress Analysis in Stuttgart, Proceedings published in VDI-Report No. 197, 1976, 21 pages.

(b) *Conference Proceedings*

1. Karacabeyli, E.; Stiemer, S.; Ni, C. 2000. "MIDPLY shearwall system", Structures 2001, Structural Engineering Congress; 2001 May 21–23; Washington, DC. 17 p. Record #: W-1712.
  2. Zhou, Y., Halliday, D., Stiemer, S.F., 1998, "Analysis of Welding Distortion Problems Using Qualitative and Semi-Quantitative Methods", Annual Conference of the CSCE, June 1998, Halifax, pp.127-136.
  3. Karacabeyli, E., Stiemer, S.F., 1997, "MIDPLY Wall System – Development and Performance of a Patented Shear Wall", 5 Quarterly Tech. Reports to B.C. Science Council, 1997-98, 10 pages each.
  4. Halliday, D., Gedig, M., Stiemer, S.F., 1995/97, "Design and Evaluation Tool for the Feasibility and Economy of Complex Industrial Systems", 8 Quarterly Technical Reports to BC Science Council, 1997-98, 10 pages each.
  5. Varoglu, E., Stiemer, S.F., Taylor, R., 1995, "A configuration Model for Timber Connection Design", AIENG 95; 10th International Conference on Artificial Intelligence in Engineering; Udine, Italy; 1995 July 4-6. 11 p.
  6. Stiemer, S.F., 1995, "WISDOM-PRO: An Interactive Textbook Utilizing Hypertext", International Seminar on Computers in Welding Education of Engineering, June 9-10, 1995 in Stockholm, Sweden, International Institute of Welding, 4 pages.
  7. Ventura, C.E., Felber, A.J., Stiemer, S.F., 1994, "Dynamic Characteristics of Bridges By Experimental Investigations of Ambient Vibrations - Queensborough Bridge", Proceedings of the Fifth US National Conference on Earthquake Engineering, July 10-14, 1994 EERC, Chicago, Illinois, 10 pages.
  8. Tremblay, R., Stiemer, S.F., 1994, "Stability of Concentrically Steel Braced Frames under Seismic Loading", Proceeding of the Fifth US National Conference on Earthquake Engineering, July 10-14, 1994, EERC, Chicago, Illinois, 18 pages.
  9. Halliday, D., Zhou, Y., Stiemer, S.F., 1994, "Experimental Investigations of Base Isolators for Secondary Foundations of Large Moveable Structures", Proceedings of the International Workshop on Use of Rubber Based Bearing for Earthquake Protection of Building, May 17-19, 1994, Shantu, China, pp. C-1 ÷ C10.
  10. Filiatrault, A., Felber, A., Ventura, C., Stiemer, S.F., 1992, "Modal Analysis and Testing of the Cable Stayed Shipshaw Bridge in Jonquiere, Quebec", 11th International Modal Analysis Conference, Kissimmee, Florida, U.S.A.
  11. Felber, A.J., Stiemer, S.F., 1992, "An Object Oriented Programming Approach to Ambient Vibration Data Analysis for Bridges", Annual Conference of the Canadian Society of Civil Engineers, Quebec City, Canada, pp. 375-384.
  12. Panel Presentation and Discussion in the Group "Computer in Education" at the CSCE Annual Meeting, May 29, 1991.
  13. Watson, A.D., Prion, H.G.L, Stiemer, S.F., 1991, "An Expert System for Improved Cost Estimation of Steel Structures", CSCE Annual Conference, Session 20, Vancouver, May 30.
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14. Jennings, Stiemer, S.F., 1991, "Welding Information System on Design, Operation, Methods", CSCE Annual Conference, Session 20, Vancouver, May 30, 1991.
15. Tremblay, R., Stiemer, S.F., Filiatrault, A, Prion, H.G.L., 1991, "Aspects of Seismic Design of Concentrically Braced Steel Frames", Structural Stability Research Council, 1991 Annual Technical Session and Meeting, Chicago, April 14-17.
16. Osterrieder, P., Stiemer, S.F., 1991, "Lateral-Torsional Buckling of Plane Steel Frames", 13th Canadian Congress of Applied Mechanics, Winnipeg, 2-6 June, 1991.

(d) Other Reports

1. Villiard, C., Dickof, C., Angers, M., Schneider, J., Stiemer, S.F., 2011, "Experimental Evaluation of Concrete Decks with Guard Rail Systems", report for the Ministry of Forests and Range, 121 pages.
  2. Villiard, C., Dickof, C, Tesfamariam, S., Stiemer, S.F., 2011, "Report on Progress of T2-3-C4 - Niche for and Feasibility of Steel-frame Multi-material Mid-rise Hybrid Systems" at NEWBuildS Workshop, January 2011, Richmond, Canada.
  3. Villiard, C., Khorasani, M., Stiemer, S.F., 2010, "Experimental Evaluation of Guard Rail System for Bridges", report for the Ministry of Forests and Range, 121 pages.
  4. Karacabeyli, E.; Ni, C.; Lungu, D.; Fraser, H.; Stiemer, S.F., 2000, "MIDPLY™ wall system: final report", CFS Report No. 20. 60 pages.
  5. Karacabeyli, E.; Ni, C.; Stiemer, S.F.; Fraser, H.; Buitelaar, M., 1999, "MIDPLY™ wall systems: annual progress report", CFS Report No. 20. 19 p. Document #: W-1597.
  6. Karacabeyli, E.; Stiemer, S.F.; Ni, C.; Fraser, H., 1998, "MIDPLY™ wall system: progress report", CFS Report No. 22A. 26 p. + 1 app.
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