

Special Publications

- Willam, K., (1969), "Finite Element Analysis of Cellular Structures," Ph.D. Dissertation, University of California Berkeley, p. 295.
- Willam, K. and A. Scordelis, (1970), "MULSTR-Analysis of Orthotropic Folded Plates with Eccentric Stiffeners," SESM Report 70-2, University of California Berkeley, p. 130.
- Willam, K. and A. Scordelis, (1970), "CELL-Computer Program for Cellular Structures of Arbitrary Plan Geometry," SESM Report 70-10, University of California Berkeley, p. 157.
- Argyris, J.H., Faust, G., Roy, J.R., Szimmat, J., Warnke, E.P. and K. Willam, (1973), "Finite Elemente zur Berechnung von Spannbeton-Reaktordruckbehältern", DAfStb, Heft 234, W. Ernst & Sohn, Berlin, p. 69.
- Willam, K.J. and E.P. Warnke, (1974), "Constitutive Model for the Triaxial Behaviour of Concrete," Proc. Intl. Assoc. Bridge Structl. Engrs, Report 19, Section III, Zurich, 1975, p. 30.
- Argyris, J.H., Pister, K.S. and K. Willam, (1976), "Thermomechanical Creep of Aging Concrete - A Unified Approach," Proc. Intl. Assoc. Bridge Struct. Engrg., Report 36, Section I, Zurich, 1975, pp. 23-57.
- Argyris, J.H., Warnke, E.P. and K. Willam, (1977), "Berechnung von Temperatur- und Feuchtefeldern in Massivbauten nach der Methode der Finiten Elemente", DAfStb, Heft 278, W. Ernst & Sohn, Berlin, p. 42.
- Argyris, J.H., Faust, G, Szimmat, J., Warnke, E.P. and K. Willam, (1977), "Finite Element Berechnung von Spannbeton-Reaktordruckbehältern," DAfStb, Heft 279, W. Ernst & Sohn, Berlin, p. 34.
- Willam, K., (1979), "Finite Elemente zur räumlichen und zeitlichen Diskretisierung von quasistatischen Problemen", Habilitationsarbeit, University of Stuttgart, p. 134.
- Argyris, J.H., Doltsinis, J. St., Knudson, W.C., Szimmat, J., Willam, K.J. and Wüstenberg, H., (1980), "Eulerian and Lagrangian Techniques for Elastic and Inelastic Large Deformation Processes", Proc. 2nd Intl. Conf. Computational Methods in Nonlinear Mechanics TICOM 2, March 1979, Austin, T.J. Oden (ed.), Chapter 2, Proc., North-Holland Publishing Company, Amsterdam, pp. 13-66.
- Willam, K., (1983), "Possibilities of Modelling Nonlinear Triaxial Behavior," Appendix D of CED Task Group Report on Concrete under Multiaxial States of Stress, J. Eibl (ed.), University of Karlsruhe, pp. 60-79.
- Willam, K., (1984), "Experimental and Computational Aspects of Concrete Fracture", Proc. Intl. Conf. Comp. Aided Anal. and Design of Concrete Structures," N. Bicanic, D.R.J. Owen, E. Hinton (eds.), Pineridge Press, Swansea, pp. 33-70.
- Argyris, J.H., Szimmat, J. and K. Willam, (1985), "Finite Element Analysis of Arc-welding Processes," Chapter 1 in Numerical Methods in Heat Transfer, Vol. III, R.W. Lewis & K. Morgan (ed.), John Wiley & Sons, Chichester, U.K., pp. 1-33.
- Willam, K., Ko, H-Y., Sture, S., Gerstle, K., Pramono, E., Stankowski, T., Klisinski, M. and S. Smith, (1987), "Constitutive Driver for Triaxial Response Behavior of Plain Concrete," Structural Research Series No 87-08, University of Colorado Boulder, p. 313.
- Willam, K., Bicanic, N., and S. Sture, (1987), "Composite Fracture Model for Strain-Softening and Localized Failure of Concrete," Chapter 5, Computational Modelling of Reinforced Concrete Structures, E. Hinton and R. Owen (eds.), Pineridge Press, Swansea, Chapter 5, pp. 122-153.

- Steinmann, P. and K. Willam, (1991), "Localization within the Framework of Micropolar Elasto-Plasticity," V. Mannl, O. Brueller, J. Najjar (eds.), 60'th Anniversary Volume in honor of Horst Lippmann, Springer-Verlag, Berlin, pp. 296-313.
- Willam, K., et al., (1993), "Topic 7: Computational Aspects" Chapter 7, Finite Element Analysis of Reinforced Concrete Structures, FEARCS, J. Isenberg (ed.), ASCE Spec. Publ., New York 1993, pp. 367-489.
- Willam, K. and M.-M. lordache, (1994), "On the Cosserat Theory of Plate Bending," Proc. Recent Developments in Finite Element Analysis, 60th Anniversary Volume in honor of R. Taylor, T.J.R. Hughes, E. Onate and O.C. Zienkiewicz (eds.), CIMNE, University of Catalonia, UPC Barcelona, pp. 225-234.
- Willam, K., Dietsche, A., lordache, M.-M. and P. Steinmann, (1995), "Localization in Micropolar Continua," Chapter 9, Continuum Models for Materials with Microstructure, H.-B. Mühlhaus (ed.), John Wiley & Sons, Chichester, U.K., pp. 297-340.
- Willam, K. and M.-M. lordache, (1996), "Deterioration Measures for Concrete Materials", 60th Anniversary Volume in honor of J. Eibl, H. Hilsdorf and G. Kobler (eds.), Institut für Baustoffkunde und Massivbau, IfBM, University of Karlsruhe, pp. 183-202.
- Willam, K.J. and Tanabe, T., (eds.), (2001), "Finite element Analysis of Reinforced Concrete Structures", ACI International, Special Publication SP-205, p. 399.
- Willam, K.J., (2002), "Constitutive Models for Engineering Materials", Encyclopedia of Physical Science & Technology, 3rd Edition, Volume 3, Academic Press, pp. 603-633.
<http://civil.colorado.edu/~willam/mat101.pdf>
- Li, V.C., Leung, C.K.Y., Willam, K.J. and Billington, S.L., (eds.), (2004), Proceedings of Intl. Conf. of I.A. FramCoS on "Fracture Mechanics of Concrete Materials and Concrete Structures", Vol 1/2, p. 1195.
- Jirasek, M., Carol, I. and Willam, K., (eds.), (2006), Special Issue on "Computational Modelling of Concrete", Computer Methods in Applied Mechanics and Engineering, Vol. 195, Issue 52, pp. 7075-7076.
- Leung, C.K.Y. and Willam, K., (eds.), (2007), Special Issue on "Fracture of Concrete Materials and Structures", Engineering Fracture Mechanics, Vol. 74., Issues 1-2, pp. 1-2.