

## Keynote Lectures

- “Nonlinear Methods of Structural Analysis”, Keynote Lecture at 1st Conf. Structural Mechanics in Reactor Technology, Berlin, Sept. 20-24, 1971, publ. Nucl. Engng. Design, 1972, pp. 169-197.
- “Finite Element Method of Thermomechanical Problems”, Keynote Lecture at 3rd Conf. Matrix Methods in Structural Mechanics, Wright-Patterson AFB, Dayton, Ohio, Oct. 19-21, 1971, publ. in Proc. AFFDL-TR-71-160 Report, 1973, pp. 729-772.
- “Finite Element Modelling of Inelastic Behavior”, Keynote Lecture at ASCE - Engng. Mech. Spec. Conf., Waterloo, Ontario, May 26-28, 1976, publ. by University of Waterloo Press, 1977, pp. 17-52.
- “Numerical Solution of Transient Nonlinear Problems”, Keynote Lecture at Intl. Conf. on Finite Elements in Nonlinear Mechanics, FENOMECH’78, University of Stuttgart, Aug. 30 - Sept. 1, 1978, publ. in Comp. Meth. Appl. Mech. Engng., 17/18, 1979, pp. 341-409.
- “Eulerian and Lagrangian Techniques for Elastic and Inelastic Large Deformation Processes”, Keynote Lecture at 2nd Intl. Conf. on Computational Methods in Nonlinear Mechanicals, TICOM 2, March 26-29, 1979, University of Texas, Austin, publ. in Proc. T.J. Oden (ed.), North-Holland Publ. Co., Amsterdam, 1980, pp. 13-66.
- “Finite Elemente zur Inelastischen Berechnung von Tragwerken”, Antrittsvorlesung als Privatdozent der Universität Stuttgart, July 4, 1980.
- “Experimental and Computational Aspects of Concrete Fracture”, Keynote Lecture at Intl. Conf. on Computer Aided Analysis and Design of Concrete Structures, Split Yugoslavia, Sept. 17-21, 1984, publ. in Proc. Pineridge Press, Swansea, F. Damjanic, E. Hinton, D.R.J. Owen, N. Bicanić, and V. Simovic (eds.), pp. 33-70.
- “Computational Failure Analysis, State of the Art and Future Trends”, Keynote Lecture at FEM’90, Finite Element Congress Baden-Baden, Nov. 19-20, 1990, publ. in Congress Proc. by IKOSS Stuttgart, pp. 14-22.
- “Failure Analysis of Inelastic Materials”, Keynote Lecture at FEMSA’90 Conference on Finite Element Analysis, University of Pretoria, South Africa, Aug. 13-17, 1990.
- “Computational Simulation of Discontinuous Failure Processes,” Keynote Lecture at 5th Argentine Congress of Computational Mechanics, MECOM 96, Sept. 10-13, 1996, publ. in Proc. Mecanica Computacional, Universidad de Tucuman, G. Etse and B. Luccioni, Eds, Vol. XVII AMCA, pp. 227-242.
- “Computational Issues of Concrete Failure”, Keynote Lecture in Symposium on Advanced Design of Concrete Structures, Chalmers University of Technology, Goteborg Sweden, June 12-14, 1997, publ. in Advanced Design of Concrete Structures, K. Gylltoft, B. Engstrom, L.-O. Nilsson, N.-E. Wiberg and P. Ahman Eds., CIMNE, Barcelona, pp. 15-29.
- “Performance Evaluation of Damage and Plasticity Formulations for Concrete”, Keynote Lecture on Post-Peak Behavior of Reinforced Concrete Structures Subjected to Seismic Loads, Japan Concrete Institute, Tokyo, Oct. 25, 1999, ASCE Special Publication on Modeling of Inelastic Behavior of RC Structures under Seismic Loads, P.B. Shing and T. Tanabe (eds.), ASCE Reston VA, 2001, pp. 1-19.
- “Constitutive Models for Materials”, Keynote Lecture at IV Symposium EPUSP on Concrete Structures, Technical University of Sao Paulo, Aug. 21-25, 2000, publ. as CD-TUSP, Brazil.

- "Multiresolution Analysis of Elastic Degradation in Heterogeneous Materials", Keynote Lecture at 2nd European Congress on Computational Mechanics, ECCM-2001, Cracow, Poland, June 26-29, 2001.
- "Multiresolution Analysis of Transport Problems on Concrete Materials", Keynote Lecture at WCCMV, 5th World Congress on Computational Mechanics, Vienna Austria, July 7-12, 2002
- "Interface Analysis of Cohesive-Frictional Materials", Keynote Lecture, 7th US National Congress on Computational Mechanics, Albuquerque NM, July 27-31, 2003.
- "Issues of Reinforced Concrete Structures under Extreme Temperature Events", Keynote Lecture, 5th Intl Conf.on Computation of Shell & Spatial Structures, IASS IACM 2005, Salzburg Austria June 3, 2005.
- "Localization in Reinforced Concrete Materials under High Temperatures", Keynote Lecture, US National Congress on Computational Mechanics, USNCCM-8, Austin Texas, July 25-27, 2005.