# PUBLICATIONS OF ZDENĚK P. BAŽANT

January 19, 2021

## 1 Books

### 1.1 Textbooks and Monographs


### 1.2 Lecture Notes Published as Books


### 1.3 Books Edited, with Chapters Contributed


2 State-of-Art Articles and Research Review Articles


3 Contributed Wikipedia Articles


4 Research Articles in Refereed Journals and Book Chapters

1958


1959


1960


1961


1962


1963


1964


1965


1966


1967


1968


1970


1971


1972


1973


1974


1975


1976


1977


1978


1979


1981


1982


1983


1984


110(12), 1693–1712.

1985

1986

1987


1988


246. RILEM Committee TC-69 (1988). “Material models for structural creep analysis” (princ. author and


1989


1990


1991


1992


289A. = 310 = Part 7 of that series.


1993


Fracture Mechanics, 45 (3), 393–398.

1994

1995
shrinkage. 2. Updating and theoretical basis.” Materials and Structures (RILEM, Paris) 28, 488–495.


1996


1997


1998


1999


2000


2001


2002


testing and practice.” *Engineering Fracture Mechanics* 69 (2), 165–206 (special issue on Fracture of Concrete and Rock, M. Elices, ed.).


2003


2004


2005


2006


2007


2008


2009


2010


2011


2012


511. Bažant, Z.P., Yu, Qiang, and Li, Guang-Hua (2012). “Excessive long-time deflections of collapsed pre-


2013


2014


2015


2016


2017


582. Frosch, R.J., Yu, Qiang, Cusatis, G., and Bažant, Z.P. (2017). “A Unified Approach to Shear Design.” \textit{ACI Concrete International} 114 (9, Sept.), 47-52.


5 Patents

PT1. Patent No. 97175, Czechoslovakia, June 5, 1959 Safety ski binding (in Czech), by Zdeněk P. Bažant, (30,000 pairs, branded 'ZPB Binding', were produced (and sold for 48 Kčs each) by Lověna Coop. in Prague; by 1964, the ZPB binding represented roughly one third of the safety bindings in Czechoslovakia; later it was superseded by designs capable of shock absorption).


6 Selected Other Articles – Public Policy


Published Biographies and Volumes Dedicated to Bažant


A4. Editorial, “Prof. Bažant Visiting CTU (Czech Technical University) in Prague” (Professor Zdeněk P. Bažant opět na ČVUT v Praze), Prážská Technika 2003 (No. 2), 10–11.


A10. Ta-Peng Chang and Jenn-Chuan Chern (2007). Proc., Asian Special Workshop on Concrete Technology in Honor of the 70th Birthday of Prof. Zdeněk P. Bažant,” National Taiwan University of Science and Technology, Taipei, Nov. 2


A12’. Article about Bažant’s election to NAS in Northwestern University Observer, 2002.

A13. Sarah Ostman, “Concrete Results” (life story and achievements of Bažant), McCormick Magazine, Fall 2012.


A15. V. Krášek (2017). “Prof. Ing. Zdeněk P. Bažant, Ph.D., Dr. h.c., oslavil 80. narozeniny” (in Czech) (Prof. Bažant celebrated his 80-th birthday), Beton (Prague), No. 6 (Dec.), 85–87.

Research Articles in Conference Proceedings


7


putational Modelling of Concrete Structures (EURO-C Conf., held in Badgastein, Austria), ed. R. de Borst et al., Balkema, Rotterdam, 249–264.


Lattice-cell approach to quasibrittle fracture modeling.

ibid.


Computational Modeling of Concrete Structures

Computational structural reliability – a major challenge and opportunities for composites and other quasibrittle materials.

Recent progress in energetic probabilistic scaling laws for quasi-brittle fracture.


Discussions and Rebuttals in Journals

Over 70 items