



**Professor Eduard Sergeevich Ventsel (1937 – 2011)**

See:

<http://prabook.org/web/person-view.html?profileId=830369>

Department of Engineering Science and Mechanics  
Pennsylvania State University

**Education:**

Master of Science, Civil Engineering Institute, Kharkov, Ukraine, 1960;  
Candidate of science, Civil Engineering Institute, Kharkov, Ukraine, 1967;  
Doctor of Science, Civil Engineering Institute, Moscow, 1985.

**Early Biography:**

Eduard Sergeevich Ventsel, Ukrainian engineering mechanics educator. Recipient State award for science activity in mechanics Ukraine Republic, 1982. Member specialized councils in defense of dissertations Kiev (Union of the Soviet Socialist Republics) Civil Engineering, 1986-1992, Poltava Civil Engineering Structures, Poltava, 1986-1992.

**Career:**

Head aviation structures Military Aviation Engineering Higher College, Kharkov, 1966-1976;  
Professor, head applied mechanics Civil Engineering Institute, 1985-1992;  
Professor engineering science and mechanics Pennsylvania State University, State College, since 1992;  
Visiting professor civil engineering University Southampton, United Kingdom, 1990;  
Visiting professor structural mechanics Civil Engineering Institute, Cottbus, Germany, 1989.,  
Author textbooks and monographs in solid mechanics.

**Selected Publication:**

Eduard Ventsel and Theodor Krauthammer, Thin plates and shells: theory, analysis, applications, CRC Press, 2001, 666 pages; Also published by Marcel Dekker, Inc in 2001.

ABSTRACT: Presenting recent principles of thin plate and shell theories, this book emphasizes novel analytical and numerical methods for solving linear and nonlinear plate and shell dilemmas, new theories for the design and analysis of thin plate-shell structures, and real-world numerical solutions, mechanics, and plate and shell models for engineering applications. It includes computer processes for finite difference, finite element, boundary element, and boundary collocation methods as well as other variational and numerical methods. It also contains end-of-chapter examples and problem/solution sets, a catalog of solutions for cylindrical and spherical shells, and tables of the most commonly used plates and shells