Curriculum Vitae
György Szeidl

Education and positions held: I was born in Esztergom (Hungary) on September 8, 1942. After completing the Pelbárt Temesvári Catholic High School in 1960 I worked for the Machine Tools Factory of Esztergom till 1962 when I was admitted to the Mechanical Engineering Faculty of the Miskolc University. I earned a master degree with honors in mechanical engineering in 1967. In the very same year I began to work for a research group at the Department of Mechanics (which was financed by the Hungarian Academy of Sciences). I had the following positions there: (a) assistant (1976-1969), (b) research fellow (1969-1985) (c) senior research fellow (1985-1992). In 1992 I left the research group and was employed full time by the Department of Mechanics till 2012 when I retired. Since then I have been working part time for the very same Department (renamed to Institute of Applied Mechanics in 2014). Positions held: (a) associate professor (1992-1999), (b) full professor (1999-2013) – head of department between (2003-2007), (c) professor emeritus since 2012.

Scientific degrees:

(a) PhD from the University of Miskolc in 1976, Thesis title: The eff of change in length on the eigenfrequencies and stability of circular beams.

(b) PhD from the Hungarian Academy of Sciences in 1985 (Russian system, the degree is called Candidate of Engineering Sciences – this is a mirror translation of the Hungarian name given to the degree), Thesis title: Dual variational principles and solutions to some boundary value problems in the theory of micropolar elasticity.

(c) Dr. habil from the University of Miskolc in 1998, Thesis title: Dual problems in continuum mechanics – Derivation of the defining equations, Single valuedness of mixed boundary value problems, Boundary element method for plane problems considered in dual formulation.

(d) DSc (Doctor of Science) from the Hungarian Academy of Sciences in 2006, Thesis title: Problems of Continuumechanics in dual formulation.

Research interests: (a) dual variational principles in micropolar theory of elasticity (b) derivation of stress functions from variational principles (c) boundary element method in a dual formulation (d) continuum mechanics of solid bodies (e) stability and vibratory problems of heterogenous curved beams (f) eigenvalue problems of ordinary (differential equations)[diff tial equation systems].

Publications:

(i) A book with Dr. László Kiss published by Springer in 2020.
Book title: Mechanical Vibrations – see:
https://link.springer.com/book/10.1007/978-3-030-45074-8

(ii) A book on continuum mechanics in 2025.
Book title: Introduction to the Continuum Mechanics. (ISBN 978-615-02-3942-2)

(iii) A book in Hungarian with a co-author (Title: Tensor Calculus in Indicial Notation, Miskolc, 2013, pp. 177, ISBN 978-963-08-5427-5,

(iv) Chapters in two English text books (c) forty-three research papers published in foreign languages (mainly in English and partly in Russian) in various journals, (d) elven research papers in Hungarian (e) twenty-eight conference papers in English.

Number of theses supervised: MSc 13, PhD 7 [Lajos Porpáczy (1987), Béla Kovács (1993), István Kerekes (1997), Sándor Szirbik (2003), Judit Dudra (2009), Dániel Burmeister (2014), László Péter Kiss (2015)].

Memberships: Editorial Board: Journal of Computational and Applied Mechanics (Since 2001), Editorial Board, International Journal of Applied Mathematics and Mechanics (Since 2004).