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Yury Vetyukov studied Applied Mechanics at the chair of Mechanics and Control of the Polytechnical University in St. Petersburg and graduated in the year 2000. After obtaining PhD in 2004, he kept researching and teaching at the Polytechnical University until 2008, when he moved to the Johannes Kepler University in Linz, Austria. Currently Yury Vetyukov is working in the research group of Mechanics of Solids at the Institute of Mechanics and Mechatronics of the Vienna University of Technology. His habilitation thesis has recently been submitted to the faculty council and the procedure is currently under way.

The research interests of Yury Vetyukov lie mainly in the field of mechanics and numerical modelling of thin-walled structures per se, as well as of more specific problems such as electromechanically coupled behavior of plates and shells, axially moving strings, rods and plates with geometrical and contact types of nonlinearity, etc. Originating from the Russian school of mechanics, he successfully applies in his work such analytical techniques as direct and indexed forms of tensor calculus, principles of Lagrangian mechanics and asymptotic methods. Combined with modern computer technologies, this constitutes a sound basis for novel schemes of simulating the complicated behavior of thin structures.

Besides journal articles and book chapters, Yury Vetyukov has authored a monograph “Nonlinear Mechanics of Thin-Walled Structures. Asymptotics, Direct Approach and Numerical Analysis”, which appeared at Springer in 2014.