



Professor Victor A. Eremeyev

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<http://prabook.org/web/person-view.html?profileId=454963>

<https://de.linkedin.com/pub/victor-eremeyev/4b/627/232/de>

Biography:

2004 Awarded Dr. hab. (Doctor of science of Physics & Mathematics) at Institute of Problems of Mechanical Engineering of RAS, Saint-Petersburg (Thesis title: Mechanics of two-phase bodies with microstructure under finite deformations).

1996 Diploma of Associate Professor (Docent).

1990 Awarded PhD (Candidate of Physics & Mathematics) at Rostov State University (Thesis title: The stability of two-phase nonlinear thermo-elastic bodies).

1985–1989 Fellowship for Candidate of Science in Physics and Mathematics (= Ph.D.) (Division of Elasticity of Rostov State University).

1980–1985 Diploma in Mechanics (Department of Mechanics and Mathematics, Rostov State University).

1987–present Rostov Mathematical Society.

Over 20 years of work experience. Associated Professor, Professor of Divisions of Computer Science, Elasticity and Mathematical Modeling of Department of Mechanics&Mathematics of Rostov State University, head of the laboratory of smart materials in Southern Scientific center of RAS.

Technical authority in Applied Mathematics and Mechanics of Solids. Experience includes Education, Teaching, Programming.

2004–present Head of the Laboratory of Smart Materials.

At Rostov State University (since 2007 Southern Federal University):

2005–present Professor of Division of Mathematical Modeling.

1998–2004 Associate Professor (Docent) of Division of Mathematical Modeling.

1996–1998 Associate Professor (Docent) of Division of Computer Science and Division of Elasticity.

1988–1996 Assistant Professor, Senior Lecturer of Division of Computer Science.
At Research Institute of Mechanics and Applied Mathematics at Rostov State University:
1985–1998 Research Worker, Senior Research Worker.
At Rostov State Civil Engineering University:
1997–1998 Associate Professor (Docent) of Division of Resistance of Materials.
At Institute of Problems of Mechanical Engineering of Russian Academy of Science (Saint Petersburg, Russia):
2000–present Senior Research Worker of the Laboratory of Mathematical Methods in Mechanics of Materials.
Member of Scientific Committee of following Conferences:
Actual Problems of Continuum Mechanics (Rostov on Don, 1996, 1997, 1998, 1999, 2000, 2001, 2002);
International Conference on Environmental Mathematical Modeling and Numerical Analysis (EMMNA'99)
(Rostov on Don, 1999);
The 3rd Conference on Elasticity (Azov, 2003);
The 8th conference "Shell Structures: Theory and Applications (SSTA2005)". Gdansk (Jurata), 2005;
"Advanced Problems in Mechanics (APM)", Saint-Petersburg, 2003, 2004, 2005, 2006, 2007.
Co-editor of special issues of journal "Notices of North Caucasus: Natural Sciences. Nonlinear Problems of
Continuum Mechanics" (2000, 2003)

Selected Publications:

- Eremeyev V. A., Freidin A. B., Sharipova L. L. Nonuniqueness and Stability in Problems of equilibrium of Elastic Two-Phase Bodies. *Doklady Physics*. 2003. 48. No. 7. 359–363.
- Eremeyev V. A., Zubov L. M. The general nonlinear theory of elastic micropolar shells (in Russian). *Izvestiya VUZov. Sev.-Kavavk. Region, Estestv. Nauki*, Special issue: Nonlinear Problems of Continuum Mechanics. 2003. 124–169.
- Eremeyev V. A., Pietraszkiewicz W. The nonlinear theory of elastic shells with phase transitions. *J. Elasticity*. 2004. 74. No. 1. 67–86.
- Eremeyev V. A. Nonlinear micropolar shells: theory and applications. *Shell Structures: Theory and Applications*. W. Pietraszkiewicz and C. Szymczak (eds.). London et al.: Taylor & Francis, 2005. 11–18.
- Eremeyev V. A. Pietraszkiewicz W. Local Symmetry Group in the General Theory of Elastic Shells. *J. Elasticity*. 2006. 85. No 2. P. 125–152.
- Eremeyev V. A., Lebedev L. P. On the loss of stability of von Mises truss with the effect of pseudo-elasticity. *Matemáticas: Enseñanza Universitaria*. 2006. XIV. No 2 Diciembre. 111–118.
- Eremeyev V. A., Ivanova E. A., Morozov N. F., Soloviev A. N. On the Determination of Eigenfrequencies for Nanometer-Size Objects. *Doklady Physics*, 2006. 51. No. 2. 93–97.
- Eremeyev V. A., Ivanova E. A., Morozov N. F., Soloviev A. N. Method of Determining the Eigenfrequencies of an Ordered System of Nanoobjects. *Technical Physics*. 2006. 52. No. 1. 1–6.
- Eremeyev V. A., Freidin A. B., Sharipova L. L. The stability of the equilibrium of two-phase elastic solids. *Journal of Applied Mathematics and Mechanics*. 2007. 71. No 1. 61–84.

Eremeyev V. A., Zubov L. M. On constitutive inequalities in nonlinear theory of elastic shells. ZAMM. 2007. 87. No. 2. 94–101.

Pietraszkiewicz W., Eremeyev V. A., Konopinska V. Extended non-linear relations of elastic shells undergoing phase transitions. ZAMM. 2007. 87. No. 2. 150–159.

Eremeyev V. A., Freidin A. B., Pavlyuchenko V. N., Ivanchev S. S. Instability of Hollow Polymeric Microspheres upon Swelling. Doklady Physics. 2007. 52. No. 1. 37–40.

Eremeyev V. A., Ivanova E. A., Morozov N. F., Strochkov S. E. Natural Vibrations of Nanotubes. Doklady Physics. 2007. 52. No 8. 431–435.

Eremeyev V. A., Ivanova E. A., Morozov N. F., Strochkov S. E. The Spectrum of Natural Oscillations of an Array of Micro- or Nanospheres on an Elastic Substrate. Doklady Physics. 2007. 52, No. 12. 699–702.

Altenbach H., Eremeyev V. A. Direct approach based analysis of plates composed of functionally graded materials. Archive of Applied Mechanics. 2008.

Altenbach, H. and Eremeyev, V.A. (2008) Analysis of the viscoelastic behavior of plates made of functionally graded materials. ZAMM – Journal of Applied Mathematics and Mechanics, 88(5), 332-341.

Johannes Altenbach, Holm Altenbach and Victor A. Eremeyev, “On generalized Cosserat-type theories of plates and shells: a short review and bibliography”, Archive of Applied Mechanics, Vol. 80, No. 1, 2010, pp. 73-92, Special Issue in Commemoration of Prof. Dr. rer. nat. Dr. mont. h. c. Horst Lippmann, doi: 10.1007/s00419-009-0365-3

Holm Altenbach and Victor A. Eremeyev (editors), Shell-like structures: Non-classical theories and applications (Google eBook), Springer, 2011, 750 pages

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