

CURRICULUM VITAE

of

Tengiz Meunargia

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Last name: Meunargia

First name: Tengiz

Date of birth: August 17, 1937

Place of birth: Zugdidi, Republic of Georgia

Marital status: married, three children, three grandchildren

Citizenship: Georgia

EDUCATION

Graduated from the Tbilisi State University for Mathematics and Mechanics, 1968, Honours Diploma of Mathematics and Mechanics.

Ph.D. (Candidate of Sci.) in Mechanics of Deformable Bodies, Razmadze Institute of Mathematics of Georgian Academy of Sciences, 1973. Thesis: "On the Theory of Bending of Plates with a Variable Thickness" (Adviser: Academician, Professor Ilya Vekua).

Dr. Hab. (Doctor of Sci.) in Mechanics of Deformable Bodies, Razmadze Institute of Mathematics of Georgian Academy of Sciences, 1997. Thesis: "Boundary Value Problems for Mathematical Theory of Elastic Shells with Quickly-Varying Geometry" (Referees Professor T. Vashakmadze, Professor G. Chatiashvili, Professor E. Obolashvili).

Ph.D. students: 5 (R. Janjgava (2004), M. Mosia (2004), M. Narmania (2004), D. Chokoraia (2006), B. Gulua (2006)).

Languages spoken: Georgian (Native), Russian, English.

EMPLOYMENT

2007 – present: Senior Research Worker, I. Vekua Institute of Applied Mathematics, Tbilisi State University

1977 – 2006:	Professor, Tbilisi State University
1989 – 2006:	Head Section of Shell Theory, I. Vekua Institute of Applied Mathematics, Tbilisi State University
1973 – 1989:	Deputy Head, I. Vekua Institute of Applied Mathematics, Tbilisi State University
1966 – 1973	Research worker, I. Vekua Institute of Applied Mathematics, Tbilisi State University
1964 – 1966:	Invited Assistant, Tbilisi State University
1960 – 1963:	Post-graduate, Tbilisi State University

FIELD OF RESEARCH

Main activities: Shallow and Non-Shallow Shells. Boundary Value Problems for Linear and Nonlinear (Geometrically and Physically) Theories of Shallow and Non-Shallow Shells.

Reissner-Mindlin's Type Linear Theory and I. Vekua Refined Linear Theory for Plates. As Well As, Koiter-Naghdi's and I. Vekua's Refined Nonlinear Theory of Non-Shallow Shells.

List of some selected publications:

1. Some general methods for constructing the theory shells, Journal of Mathematical Sciences, Volume 157, Number 1, 1-15, Springer, 2009.
2. On construction of approximate solutions of equations of nonlinear and non-shallow shells, Journal of Mathematical Sciences, Volume 157, Number 1, 98-118, Springer, 2009.
3. On the integration of the differential system of equations for nonlinear and non-shallow shells. Semin. I. Vekua Inst. Appl. Math. Rep. 34 (2008), 90–95, 129.
4. On the complex representations for the nonlinear and non-shallow shells. Rep. Enlarged Sess. Semin. I. Vekua Appl. Math. 22 (2008), 83–87.
5. A small-parameter method for I. Vekua's nonlinear and nonshallow shells. IUTAM Symposium on Relations of Shell, Plate, Beam, and 3D Models, 155–166, IUTAM Bookser., 9, Springer, Dordrecht, 2008.
6. Some problems of the stresses concentration for non-shallow cylindrical shells on the basis of I. Vekua's theory. Appl. Math. Inform. Mech. 12 (2007), no. 1, 41–54, 120.
7. On the application of the method of a small parameter in the theory of non-shallow I. N. Vekua's shells. Proc. A. Razmadze Math. Inst. 141 (2006), 87–122.

8. Some basic boundary value problems for non-shallow shells, Proceedings of I. Vekua Inst. Of Appl. Mathematics, vol. 54-55, 2004-2005, pp. 7-22.
9. The method of a small parameter for the non-shallow shells. Rep. Enlarged Sess. Semin. I. Vekua Appl. Math. 20 (2005), no. 1-3, 56–59.
10. On application of the method of a small parameter for the non-linear theory of shallow shells. Rep. Enlarged Sess. Semin. I. Vekua Appl. Math. 19 (2004), no. 1, 73–78
11. Some basic boundary value problems for non-shallow shells. Proc. I. Vekua Inst. Appl. Math. 54/55 (2004/05), 7–22, 93.
12. The method of a small parameter for the shallow shells. Bull. TICMI 8 (2004), 1–13.
13. On the general solution of reissner-filon type system of differential equations for elastic plates of binary mixtures, Proceedings of TSU Applied Mathematics and Computer Sciences. V. 353 (22-33), 2003, pp. 115-124.
14. On one application of complex analysis in the theory of non-shallow shells. Rep. Enlarged Sess. Semin. I. Vekua Appl. Math. 17 (2002), no. 1-2, 17–20.
15. On two-dimensional analogues for shell-like bodies. Workshop on Mathematical Models for Elastic Cusped Plates and Bars (Tbilisi, 2001). Bull. TICMI 6 (2002), 15–24.
16. The problem of shell modelling. Semin. I. Vekua Inst. Appl. Math. Rep. 26/27 (2000/01), 64–78.
17. On the two-dimensional analogues for the physically and geometrically non-linear theory shells. Reports of Enlarged Session of the Seminar of I. Vekua Institute of Applied Mathematics, vol. 16, #2, 2001, pp. 62-65.
18. The method of a small parameter for non-linear spherical shells. Rep. Enlarged Sess. Semin. I. Vekua Appl. Math. 14 (1999), no. 2, 30–33.
19. On two-dimensional analogues for non-shallow shells. Proc. I. Vekua Inst. Appl. Math. 49 (1999), 49–53.
20. On one method of construction of geometrically and physically nonlinear theory of non-shallow shells. Proc. A. Razmadze Math. Inst. 119 (1999), 133–154.
21. On one method of construction of physical non-linear theory of non-shallow shells. Proc. I. Vekua Inst. Appl. Math. 48 (1998), 74–91.
22. Stress concentrations in the nonlinear theory of plates. Semin. I. Vekua Inst. Appl. Math. Rep. 24 (1998), 10–17.
23. On two-dimensional equations of the non-linear theory of shells. Appl. Math. Inform. 3 (1998), 84–111, 113.
24. On geometric nonlinear, non-homogenous and non-shallow anisotropic shells. Semin. I. Vekua Inst. Appl. Math. Rep. 23 (1997), 3–10.

25. On non-linear and non-shallow shells of variable thickness. Reports of Enlarged Session of the Seminar of I.N.Vekua Institute applied Mathematics, vol. 10, N2, 1995 pp. 26-30.
26. On one application of the theory of function of a complex variable for non-shallow spherical shells. Reports of Enlarged Session of the Seminar of I.N.Vekua Institute Applied Mathematics, vol.9 N1-3, 1994, pp 9-16.
27. On rigid displacements for nonshallow spherical shells. (Russian) Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy 42 (1991), 5–21, 151.
28. Nonshallow shells. Geometric function theory and applications of complex analysis to mechanics: studies in complex analysis and its applications to partial differential equations, 2 (Halle, 1988), 186–200, Pitman Res. Notes Math. Ser., 257, Longman Sci. Tech., Harlow, 1991.
29. Two-dimensional equations of the linear theory of nonshallow shells. (Russian) Tbilisi. Gos. Univ. Inst. Prikl. Mat. Trudy 38 (1990), 5–43, 112.
30. The energy integral and rigid displacements for nonshallow shells. (Russian) Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy 34 (1989), 5–19, 152.
31. Some applications of the method of series to the theory of shells. (Russian) Tbiliss. Gos. Univ. Inst. Prikl. Mat. Trudy 29 (1988), 47–71, 238–239.
32. On a method of I. N. Vekua in the theory of shells. (Russian) Current problems in mathematical physics, Vol. II (Russian) (Tbilisi, 1987), 271–277, 393, Tbilis. Gos. Univ., Tbilisi, 1987.
33. Development method of I.N.Vekua for three dimensional problems of the moment theory of elasticity, (in Russian) 1987-Tbilisi State University Publishing House, 79 pp.
34. Investigations of some problems of the plates and shells on the basis of I.N.Vekua's theory,- Works of All-Union Symposium in Tbilisi, 1982, (in Russian) 21-21 IV, pp. 159-174.
35. Solution of problems of the theory of plates and shells by I. N. Vekua's method. Theory of shells (Proc. Third IUTAM Sympos., Tbilisi, 1978), pp. 669–684, North-Holland, Amsterdam-New York, 1980.
36. Symmetrical bending of a circular plate of constant thickness. (Russian) Differential and integral equations. Boundary value problems (Russian), pp. 229–235, Tbilis. Gos. Univ., Tbilisi, 1979.
37. Solution of certain problems of the concentration of stresses for anisotropic plates. (Russian) Complex analysis and its applications (Russian), pp. 391–396, 669, "Nauka", Moscow, 1978.
38. Concentration of stresses for anisotropic shells and plates (in Russian), 1977, Mechanics Third Congress, Varna, 13-16, IX, pp. 27-32.

39. Some problems of stresses concentration for anisotropic plates (Different Theories), in Russian, 1977, Tbilisi State University Publishing House, 20 p.
40. Concentration of stresses around curvilinear holes in plates of variable thickness (in Russian), Reports of the USSR Academy Sciences, 1971, Moscow, v.198, N4, pp. 794-797.