

CV

Maia Svanadze
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EDUCATIONAL QUALIFICATIONS

- 2010-2014 Dr. rer. nat. in Mathematics, Georg-August-University of Göttingen, Germany.
- 2010-2014 PhD in Mathematics, Iv. Javakhsishvili Tbilisi State University Faculty of Exact and Natural Sciences.
- 2007-2010 Masters in Mathematics. Ilia State University, Faculty of Physics and Mathematics.
- 2003-2007 Bachelor of Mathematics, Iv. Javakhsishvili Tbilisi State University, Faculty of Exact and Natural Sciences.

PROFESSIONAL EXPERIENCE

- 2016- Assistant Professor, Iv. Javakhsishvili Tbilisi State University, Faculty of Exact and Natural Sciences
- 2015- Managing Editor of journal of *Transactions of A. Razmadze Mathematical Institute*
- 2014 - 2017 Lecturer, The University of Georgia
- 2015- 2016 Post Doc in the Faculty of Exact and Natural Sciences of Iv. Javakhsishvili Tbilisi State University
- 2013 -2015 Scientific Researcher, I. Vekua Institute of Applied Mathematics of Iv. Javakhsishvili Tbilisi State University.
- 2013-2014 Lecturer, Iv. Javakhsishvili Tbilisi State University, Faculty of Exact and Natural Sciences.
- 2009-2010 Web Programmer, Ltd „Evens“.
- 2008-2009 Liberty Bank of Georgia, Software Tester.

GRANTS

- 2015-2017 Main investigator, "Investigation of the boundary value problems of the theories of viscoelasticity and thermoviscoelasticity for binary mixtures" Shota Rustaveli National sciences Foundation.
- 2013-2014 Main investigator, "Investigation of the boundary value problems of the theory of thermoelasticity for materials with voids", Shota Rustaveli National sciences Foundation.
- 2013 Participant, Travel grant, Shota Rustaveli National Science Foundation.
- 2010-2012 Member in Research Training Group:"Mathematical Structures in Modern Quantum Physics", Institute of Mathematics, Georg-August-University of Göttingen, Germany.
- 2009-2012 Main participant, "Investigation of the problems of the theories of elasticity and thermoelasticity for solids with microstructure", Shota Rustaveli National Science Foundation.

CONFERENCES

- 2016 "Boundary value problems in the theory of viscoelasticity of binary mixtures", 11th HSTAM International Congress on Mechanics. Athens, Greece.
- 2016 "Boundary value problems in the theory of viscoelasticity for double porosity materials", GAMM2016, 87th Annual Scientific Conference. Braunschweig, Germany.
- 2015 "Boundary integral equation method in the theory of micropolar viscoelasticity for Kelvin-Voigt materials", 7th International Conference on Porous Media & Annual Meeting on the International Society of Porous Media. Padova, Italy.
- 2014 "Boundary integral equation method in the theory of thermoviscoelasticity for solids with voids", 10th AIMS Conference on Dynamical Systems, Differential Equations and Applications. Madrid, Spain.
- 2014 "Potential method in the steady vibrations problems of the theory of thermoviscoelasticity for Kelvin-Voigt materials with voids", GAMM2014, 85th Annual Scientific Conference. Erlangen-Nürnberg, Germany.
- 2013 "Boundary value problems of the linear theory of viscoelasticity for Kelvin-Voigt materials with voids", 3rd Inter. Conference on Material Modeling. Warsaw, Poland.
- 2012 "Steady vibration problems in the theory of viscoelasticity for Kelvin-Voigt materials with voids", GAMM2012, 83th Annual Scientific Conference. Darmstadt, Germany.
- 2011 "Boundary value problems of steady vibrations in the theory of thermoviscoelasticity for Kelvin-Voigt materials", 9th Int. Congress on Thermal stresses, TS2011. Budapest, Hungary.
- 2011 "Potential method in the linear theories of viscoelasticity and thermoviscoelasticity for Kelvin-Voigt materials", 2nd Inter. Conference on Material Modeling. Paris, France.

2006 “On the problems of heat propagation in a binary mixture”, International conference GAMM2006. Berlin, Germany.

WORKSHOPS AND SCIENTIFIC SCHOOLS

1. Winter school on Calculus of Variations in Physics and Materials Science, Würzburg, Germany, January 8-13, 2012
2. Spring School in Nonlinear Partial Differential Equations, Brussels, Belgium, May 30–June 6, 2012
3. International Workshop "Geometric and Singular Analysis", Potsdam, Germany, March 12-16, 2012.
4. Heidelberg Laureate Forum
Heidelberg, Germany, August 23-28, 2015

AWARDS

2013 - Iv. Javakhishvili Tbilisi State University Medal

Research papers:

1. **M. M. Svanadze**, Boundary value problems of the theory of heat propagation in a binary mixture, *PAMM, Proc. Appl. Math. Mech.*, vol. 7, Issue 1, pp. 4060063-4060064, 2007.
2. **M. M. Svanadze**, Boundary integral method in the linear theory of micropolar thermoelasticity with microtemperatures, *Proc. 8th Int. Congress on Thermal stresses*, TS2009, 1-4 June, University of Illinois at Urbana-Champaign, pp. 469-472, 2009.
3. **M. M. Svanadze**, Boundary value problems of the theory of viscoelasticity for Kelvin-Voigt materials, *PAMM, Proc. Appl. Math. Mech.*, vol. 10, Issue 1, pp. 307-308, 2010.
4. I. Tsagareli and **M. M. Svanadze**, Explicit solution of the boundary value problems of the theory of elasticity for solids with double porosity, *PAMM, Proc. Appl. Math. Mech.*, v. 10, Issue 1, pp. 337-338, 2010.
5. I. Tsagareli and **M. M. Svanadze**, Solution of boundary problems of poro-elastostatics for elastic circular ring with double porosity, *Bulletin of Yerevan State University of Architecture and Construction*, N 15/2, vol. 2, pp. 171-177, 2010 (Russian).
6. **M. M. Svanadze**, Boundary value problems of steady vibrations in the theory of thermoviscoelasticity for Kelvin-Voigt materials, *Proc. 9th Int. Congress on Thermal stresses*, TS2011, 5-9 June, 2011, Budapest, Hungary, CD of Papers.
http://ts2011.mm.bme.hu/kivonatok/Maia%20M.%20Svanadze_TS2011_1294776902.pdf
7. I. I. Tsagareli and **M. M. Svanadze**, Explicit solutions of the boundary value problems of the theory of thermoelasticity with microtemperatures for elastic circle, *PAMM, Proc. Appl. Math. Mech.*, vol. 11, Issue 1, pp. 697-698, 2011.

8. I. I. Tsagareli and **M. M. Svanadze**, Boundary value problems of the statics in the theory of thermoelasticity with microtemperatures for an elastic plane with a circular hole, *Reports of Enlarged Session of the Seminar of I. Vekua Institute of Applied Mathematics*, vol. 25, pp. 125-129, 2011
9. **M. M. Svanadze**, Potential method in the linear theories of viscoelasticity and thermoviscoelasticity for Kelvin-Voigt materials, *Technische Mechanik*, vol. 32, No 2-5, pp. 554 – 563, 2012.
10. I. Tsagareli, **M.M. Svanadze**, [Explicit solutions of the problems of elastostatics for an elastic circle with double porosity](#), *Mechanics Research Communications*, v. 46, pp. 76-80, 2012. (Impact factor 1, 273)
11. I. Tsagareli, **M.M. Svanadze**, The solution of the stress problem of the theory of thermoelasticity with microtemperatures for a circular ring, *Seminar of I. Vekua Institute of Applied Mathematics, Reports*, vol. 38, pp. 62-68, 2012.
12. **M. M. Svanadze**, [Steady vibrations problem in the theory of viscoelasticity for Kelvin-Voigt materials with voids](#), *PAMM, Proc. Appl. Math. Mech.*, vol. 12, Issue 1, pp. 283-284, 2012.
13. I. Tsagareli, **M.M. Svanadze**, [Numerical solution of the boundary value problem of statics in the theory of thermoelasticity with microtemperatures for circular ring](#), *Reports of Enlarged Session of the Seminar of I. Vekua Institute of Applied Mathematics*, v. 26. pp. 79-83, 2012.
14. **M.M. Svanadze**, Potential method in the linear theory of viscoelastic materials with voids, *J. Elasticity*, vol. 114, Issue 1, 101-126, 2014.
15. **M.M. Svanadze**, On the solutions of equations of the linear thermoviscoelasticity theory for Kelvin-Voigt materials with voids, *J. Thermal Stresses*, vol. 37, Issue 3, pp. 253-269, 2014.
16. **M.M. Svanadze**, Potential method in the theory of thermoviscoelasticity for materials with voids, *J. Thermal Stresses*, vol. 37, Issue 8, pp. 905-927, 2014.
17. **M.M. Svanadze**, Potential method in the steady vibrations problems of the theory of thermoviscoelasticity for Kelvin-Voigt materials with voids, *PAMM, Proc. Appl. Math. Mech.*, vol. 14, Issue 1, pp. 347-348, 2014.
18. **M.M. Svanadze**, Non-classical problems for viscoelastic solids with microstructure, PhD thesis, Georg-August Universität Göttingen, Diss., 2014.
19. **M.M. Svanadze**, External boundary value problems in the quasi static theory of viscoelasticity for Kelvin-Voigt materials with double porosity. *PAMM, Proc. Appl. Math. Mech.*, vol. 16, Issue 1, pp. 497-498, 2016.
20. **M.M. Svanadze**, Plane waves and problems of steady vibrations in the theory of viscoelasticity for Kelvin-Voigt materials with double porosity, *Archives of Mechanics*, vol. 68, Issue 6, pp. 441-458, 2016.
21. **M.M. Svanadze**, Plane waves and uniqueness theorems in the theory of viscoelastic mixtures, *Acta Mechanica*, vol. 228, pp. 1835-1849, 2017.
22. **M.M. Svanadze**, On the solutions in the theory of micropolar viscoelasticity, *Mechanics Research Communications*, vol. 81, pp. 17-25, 2017.
23. **M.M. Svanadze**, Fundamental solution and uniqueness theorems in the linear theory of thermoviscoelasticity for solids with double porosity, *J. Thermal Stresses* (in press).