

1 Bibliographical Sketch

1.1 George Jaiani

Personal information

Prof. Dr. George Jaiani (male, born June 19, 1945)
I. Vekua Institute of Applied Mathematics (VIAM)
I. Javakhishvili Tbilisi State University (TSU)
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Academic Training

1986 Habilitation (Doctor of Sci.),
Razmadze Institute of Mathematics (RMI)
1974 PhD (Candidate of Sci.), RMI
1968 Diploma with Honours in Mechanics, TSU

Academic Career

2009– Full Professor, TSU, Head of chair of Mechanics
2006– Director, VIAM of TSU
1989–2009 Professor, TSU
1987–2006 Deputy Director, VIAM of TSU
1974–1987 Scientific Secretary, VIAM of TSU
1968, 1971–1973 Junior research fellow, VIAM of TSU

Honours and Services

2013 Order of Honour, Georgia
1996 Medal of Honour, Georgia
1974 Medal and Prize of the Georgian Academy of Sciences for young researchers
2009– Member, Committee of the Division of Mathematics of the European Academy of Sciences
2002– Member, European Academy of Sciences
2002– Fellow, World Innovation Foundation
Member, Georgian Engineering Academy
Member, Georgian Academy of Natural Sciences (GANS)
1990 Member, delegation of the Georgian Mathematical Union (GMU) at the inaugural meeting of the European Mathematical Society (EMS)
1994–2001 Member, EMS Council
2002–2009 Member, EMS committee for support of East European mathematicians
1995– Founder and Chairman of the International Scientific Committee, Tbilisi International Centre of Mathematics and Informatics (TICMI)
2000– Co-Chairman and later Chairman of the Georgian National Committee of Theoretical and Applied Mechanics

- 2012– President of the Georgian Mechanical Union
- 2000 Initiator of acceptance of Georgia as a member of IUTAM
- 2001– Member, General Assembly of IUTAM
- 2007 Chairman, International Scientific Committee of IUTAM symposium dedicated to I.Vekua’s 100th birthday anniversary
- 1997– Editor, Bulletin of TICMI
- 2000– Editor, Lecture Notes of TICMI
- 2006– Associated Editor, Hindawi Journal of Applied Mathematics
- 2014– Associated Editor, Applicable Analysis

Doctoral students

6 have finished, currently 3

Third-Party funding (within last five years)

- 2016–2019 Project Leader, “Construction and investigation of hierarchical models for thermoelastic piezoelectric structures”, Rustaveli Foundation
- 2013–2015 Project Leader, “Modeling and calculating in practice widely-distributed structures with complicated geometry”, Rustaveli Foundation
- 2012–2014 Researcher, “Development of analytical and numerical methods for calculating of cusped prismatic shells and beams”, Rustaveli Foundation
- 2012–2013 Georgian Team Leader, “Some classes of PDE and systems with applications to mechanics and biology”, Rustaveli Foundation and Consiglio Nazionale delle Ricerche, Italy

Five selected publications

Selected publications

a) Articles with scientific quality assurance; book publications

- [GJ1] George Jaiani, *A model of layered prismatic shells*, Contin. Mech. Thermodyn. **28** (2016), no. 3, 765–784, doi: 10.1007/s00161-015-0414-9.
- [GJ2] N. Chinchaladze, R. P. Gilbert, G. Jaiani, S. Kharibegashvili, and D. Natroshvili, *Initial-boundary value problems for solid-fluid composite structures*, Z. Angew. Math. Phys. **63** (2012), no. 4, 625–653, doi: 10.1007/s00033-011-0181-9.
- [GJ3] George Jaiani, *Cusped shell-like structures*, SpringerBriefs in Applied Sciences and Technology, Springer, Heidelberg, 2011. doi: 10.1007/978-3-642-22101-9
- [GJ4] G. V. Jaiani, *On a mathematical model of bars with variable rectangular cross-sections*, ZAMM Z. Angew. Math. Mech. **81** (2001), no. 3, 147–173, doi: 10.1002/1521-4001(200103)81:3<147::AID-ZAMM147>3.0.CO;2-L (English, with English and German summaries).
- [GJ5] G. Jaiani, *Initial and boundary value problems for singular differential equations and applications to the theory of cusped bars and plates*, Complex methods for partial differential equations (Ankara, 1998), Int. Soc. Anal. Appl. Comput., vol. 6, Kluwer Acad. Publ., Dordrecht, 1999, pp. 113–149, doi: 10.1007/978-1-4613-3291-6_8.