

# 1 Bibliographical Sketch

## 1.1 Ramaz Botchorishvili

### Personal information

Prof. Dr. Ramaz Botchorishvili (male, born May 16, 1961)  
Mathematics Department  
Ivane Javakhishvili Tbilisi State University (TSU)  
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### Academic Training

1996	Habilitation	TSU
1989	Promotion	Institute of Computational Mathematics of the Georgian Academy of Sciences
1983	Diploma	Applied Mathematics, TSU

### Academic Career

2009–	Professor, TSU
2006–2009	Associate professor, TSU
1989–2006	Engineer-programmer and Professor, TSU
1983–2001	Engineer-programmer, Junior Researcher, Researcher, and Head of Division, Vekua Inst. of Applied Math., TSU

### Honours and Services

2016	Javakhishvili Medal, TSU
2009	Best paper award, WSEAS F-and-B 2009 conference
1997	Fellowship of the President of Georgia
1994	Best paper award, Georgian Mathematical Union
2005	Dean, Faculty of Mechanics and Mathematics, TSU
2006–2016	Dean, Faculty of Exact and Natural Sciences, TSU
2006–	Coordinator of Bachelor program in Mathematics, TSU
2006–	Co-head of Master program in Applied Mathematics, TSU
2016–2017	Advisor to Dean in San Diego State Univ. for Georgia-related affairs, TSU
2013–2015	Guest Scientist at Research Center Jülich, Germany, for 4 months
2006–2013	Head of NAEC Examination Center at TSU, National Examinations Center, Georgia, for 10 months

### Doctoral students (within the last five years)

Tamar Janelidze	2015–
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### Third-Party funding (within last five years)

- 2016–2017 VW Foundation Caucasus/Middle Asia Program: International Mathematics Doctoral Program at Tbilisi State University, member of TSU team
- 2016 Seasonal school “Chemical and mathematical aspects of environmental monitoring”, RNSF, SS 16-B-10, lecturer and co-organizer of mathematical aspects section
- 2015–2016 Seasonal school “Research Methods of Micro- and Nanostructures”, Rustaveli Foundation (RNSF) SS 15-2-012, lecturer
- 2013–2017 Developing tools for lifelong learning in Transcaucasus region: e-Learning (ARMAZEG, 544605-TEMPUS-1-2013-1-BE-TEMPUS-JPHES); TSU team leader
- 2014–2017 Georgia–San Diego State Univ: Degree Accreditation and Institutional Support Initiative for Science, Technology, Engineering, and Mathematics, MCA Georgia; member of TSU team

### Five selected publications

- [RB1] Hendrik Elbern, Jorg Schvinger, and Ramaz Botchorishvili, *Chemical state estimation for the middle atmosphere*, Journal of Geophysical Research **115** (2010), 1–23.
- [RB2] Ramaz Botchorishvili, *Finite volume multischeme for hyperbolic conservation laws*, FANDB’09 Proceedings of the 2nd WSEAS international conference on Finite differences, finite elements, finite volumes, boundary elements, 2009, pp. 200–204.
- [RB3] Ramaz Botchorishvili and Olivier Pironneau, *Finite volume schemes with equilibrium type discretization of source terms for scalar conservation laws in several space dimensions*, J.Comput.Phys. **187** (2003), 391–427.
- [RB4] Ramaz Botchorishvili, Benoit Perthame, and Alexis Vasseur, *Equilibrium schemes for scalar conservation laws with stiff sources*, Math. Comput. **72** (2003), 131–157.
- [RB5] Ramaz Botchorishvili, *Implicit kinetic schemes for scalar conservation laws*, Numer. Meth. Part. Diff.Equat. **18** (2002), no. 1, 26–43.