

Bibliographical Sketch

Emzar Khmaladze

Personal Information

Prof. Dr. Emzar Khmaladze (male, born July 14, 1970)
A. Razmadze Math. Inst., Tbilisi State University
Tamarashvili Str 6, 0177 Tbilisi, Georgia
Tel: +995 599 478870
E-mail: emzar.khmaladze@tsu.ge

Academic Training

2001 PhD Tbilisi State University
1992 Dipl. Math. Tbilisi State University

Academic Career

2016– Associate Professor, University of Georgia
2009–2014 Research assistant, Univ. Vigo, Spain
2006– Research Scientist, TSU A. Razmadze Math. Institute
2002–2006 Lecturer, Georgian Technical University

Honours and Services

2015–2016 Visiting professor, Univ. Santiago de Compostela, Spain
2008–2009 Visiting professor, Univ. Vigo, Spain
2008– Technical Editor, “Tbilisi Mathematical Journal”
2006– Technical Editor, “Journal of Homotopy and Related Structures”
2005–2006 Research Stipend of the Spanish Ministry of Education and Science, SB 2004-0144
2004–2005 INTAS Fellowship for Young Scientists (INTAS YSF Ref. No 03-55-684)
2003–2004 Stipend of President of Georgia for Young Scientists, Certificate II No. 0190

Doctoral Students

Rafael Fernandez Casado –2015 Univ. Santiago de Compostela, Spain

Research Projects (within last five years)

- 2017–2020 “Homology, homotopy and categorical invariants in groups and nonassociative algebras” – Ministerio de Economía y Competitividad (Spain), grant MTM2016-79661-P
- 2015–2018 “Homotopical and Categorical Algebra, Homology of Algebraic Objects and Algebraic K-theory” – Rustaveli National Science Foundation, Georgia, FR/189/5-113/14
- 2013–2016 “Homotopical Representation of Groups” – Xunta de Galicia, grant EM2013/016 (European FEDER support included)
- 2013–2015 “Simplicial Algebra, Homology Theories, K-Theory and Applications for Algebraic and Topological Structures” – Rustaveli National Science Foundation, Georgia, DI/12/5-103/11
- 2011–2013 “Georgian-German Non-Commutative Partnership: Topology, Geometry, Algebra” – Volkswagen Foundation, Ref.: I/84 328

Five Selected Publications

- [EK1] J. M. Casas and E. Khmaladze, *On Lie-central extensions of Leibniz algebras*, Revista Real Acad. de Ciencias Exactas, Físicas y Naturales, Serie A, Matemáticas **111** (2017), no. 1, 39–56, doi: 10.1007/s13398-016-0274-6.
- [EK2] X. García-Martínez, E. Khmaladze, and M. Ladra, *Non-abelian tensor product and homology of Lie superalgebras*, J. Algebra **440** (2015), 464–488, doi: 10.1016/j.jalgebra.2015.05.027.
- [EK3] G. Donadze, N. Inassaridze, E. Khmaladze, and M. Ladra, *Cyclic homologies of crossed modules of algebras*, J. Non-commutative Geometry **6** (2012), no. 4, 749–771, doi: 10.4171/JNCG/104.
- [EK4] H. Inassaridze and E. Khmaladze, *Hopf formulas for equivariant homology of groups*, Proc. American Math. Soc. **138** (2010), no. 9, 3037–3046, doi: 10.1090/S0002-9939-10-10381-5.
- [EK5] A. Cegarra and E. Khmaladze, *Homotopy classification of graded Picard categories*, Advances in Mathematics **213** (2007), no. 2, 644–686, doi: 10.1016/j.aim.2007.01.015.