Ali Taghavi

Damghan University
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Education

Ph.D. in Mathematics, Sharif university of technology, 1996-2002

Title of dessertation:On lienard equation and some studies around the Hilbert 16th problem.
Thesis Supervisor, Professor Siavash Shahshahani

Master of Science in Mathematics, Sharif University of Technology, 1993-1996

Bachelor of Science in Mathematics, Sharif university of technology,1988- 1993

Teaching experience

1)Theory of Ordinary Differential equations (Undergraduate), Sharif University Of Technology 1998.

2)Instructor of Tehran University team in the competition of outstanding (undergraduate) students, 1998.

3)Functional Analysis, Damghan Unversity, 2008.

4)Real Analysis, Damghan University, 2006 and 2007.

5)Qualitative Theory Of Ordinary Differential Equations, IASBS Zanjan Iran 2002 and Damghan University 2007.

6)Operator Theory, Damghan University, 2006.

7)Local theory of Differential Geometry(Undergraduate), Damghan University, 2007 and 2008.

8)Principle of Math Analysis (I,II,III)(Undergraduate), Iran University of science and technology,2005 and Damghan University 2006,2008.

9)K- Theory (Damghan University), 2008 and 2009.

10)Algebraic topology, Damghan University, 2010 and 2014.

11)Instructor of Damghan University team in the competition of outstanding (undergraduate) students, 2013.

12)Differentiable Manifolds, Damghan University, 2014.

13)Calculus for mathematics and engineering students, Damghan University, 2015,2016,

14)Calculus for students of accounting and management, Hazrateh Masoumeh University, 2017.

15)Elementary Algebraic geometry(undergraduate), Damghan University, 2015.

16)Technics of Problem solving, Damghan University.

Employment

1)Post-Doctoral Research Fellow,Institute for Advanced Studies in Basic Science, Zanjan, Iran, 2003-2004

2)Instructor in Department of Mathematics,Iran university of Science and Technology,2004-2006

3)Assistant Professor, Damghan university of Basic Science 2006-Present

Visiting and Conference Participation

1)Visiting Labratoire de Topology Universite de Bourgogne Dijon France,1999-2000

2))International Workshop On Dynamical System, ICTP, Trieste, Italy 2001

3)Conference on Dynamical methods In Differential Equations Valladolid Spain 2002 ,Celebration of 65th birthday of George Sell

4)Trimester on Dynamical Systems Institute Henri Poincare Paris September 2003

5)Workshop On Non Linear PDE ,IPM,Tehran December 5-16, 2004

6)International Workshop on Noncommutative Geometry IPM, Tehran, September 11-22, 2005

7)The second school and Conference on Non-Commutative Geometry,IPM Tehran,Iran,April 19-30,2009

8)24th International conference on operator Theory, Timisoara, July 2-7, 2012.

9)Visiting IRMA (Institute recherche Mathematics Avancee), Strasbourg, September 8-12, 2014.

10)Workshop on operator algebras and its application, IPM, Tehran, January 7-9, 2015.
11)Seventh Conference on Innovative Trends Emerging in Microfinance, Shanghai, March 15-17, 2016.

Publication and Presentation

1)On a Functional equation for symmetric linear operators on C^* algebras, Bull. Iran. Math. Society, Vol 42, 2016, 1169-1177.

2)An alternative proof for the fixed point property of CP^{2n}, Expo. Math.33 (2015) 105-107.

3)A Banach algebraic approach to the Borsuk ulam theorem, Abstract and Applied Analysis, 2012(1085-3375) DOI: 10.1155/2012/729745.

4)On Operator Theoretical Interpretations for some Classical Problems in Geometry and Differential Equatioins, Talk presented at "International conference on operator theory, Timisoara, July 2012

5)(With M.Shirani)Translation (to persian) of "K theory,an introduction" by Max Karoubi,Clay Math Institute,2005),Nashreh Riazy,Vol 18,April 2010

6)(With A. Khoshnevisan)A review Of Atiyah Singer Index Theorem,41th annual conference of Iranian Math Society,Urmia,September 2010

7)An Index Interpretation for the number of limit cycles of a a vector field ,Presented in International workshop on nonlinear partial Differential Equations,IPM, Tehran, December 5-16, 2004.

8)Some Questions around the Hilbert 16th problems, http://arxiv.org/abs/math/0507516, 2005.

9)On Periodic Solutions Of lienard Equation,Comm. Appl. Nonlinear Anal. 9(4) 2002.

M.Sc Project Supervised

1)Fatemeh Ghanadian,Homological And Global Dimension of Functional Algebras on Compact Metric Spaces, September 2008.

2)Maryam Jamreh, Some Studies around Locally Compact Topological Groups from the view of Pontryagin Duality and Determinancy, January 2009.

3)Somayeh Fendereski,Some Studies around the K theory of Foliations with Reeb component, September 2009.

4)Marziyeh Shirani,Non Parallelizability of Spheres from a K-theoretical View Point. January 2010.

5)Karim Keshavarz,G-bundles structures on Line Bundles, September 2010.

6)Azam Khoshnevisan,Some Studies Around the elliptic Differential operators and their topological and analytical index, Febraury 2011.

7)Mohammad Hamdi, Some Studies Around the Exotic Spheres of Milnor, September 2011.

8)Sakineh Mobasheri, A complete characterization of differential operators as functional linear maps which decrease the support., September 2012.

9)Hessam Hossein Nezhad, Cuntz Algebras from a K- theoretical view points, September 2013.

10)Ameneh Ghalavandi, Some studies around the elements of symplectic geometry, February 2015.

Academic Services

Dean Of Graduate Studies,Damghan University,2007-2009

Research Interest

Topological K-theory,Operator Theory,Dynamical System, Differential Geometry, Limit cycle theory.

RG and MO Profiles

My researchgate profile:https://www.researchgate.net/profile/Ali-Taghavi3

My Mathoverflow profile: http://mathoverflow.net/users/36688/ali-taghavi