

Curriculum Vitae of Ali Suri

**Assistant Professor, Bu-Ali Sina University
Faculty of Sciences
Department of Mathematics**

Personal Information

Surname: **Suri**
First name: **Ali**

Gender: **Male**
Date of Birth: **January 10, 1981**
Place of Birth: **Nahavand, Iran**
Nationality: **Iranian**
Personal Status: **Married**

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Position

- **Associate Professor** at Bu-Ali Sina University, Hamedan, Iran, since 2010
- **Wissenschaftlicher Mitarbeiter** at Universitaet Regensburg, Germany 2009-10

Education

- **PhD:** Isfahan University of Technology (2010)
- **MSc:** Isfahan University of Technology (2006)
- **BSc:** Razi University of Kermanshah (2004)

Research Interests

- Mathematical Physics
- Geometric Mechanics
- Groups of Diffeomorphisms and Hydrodynamics
- Dynamical Systems and Differential Equations on Infinite Dimensional Manifolds
- Riemannian and Lagrangian Geometry

Publications

- Second-order time-dependent tangent bundles and geometric mechanics, *Mediterranean Journal of Mathematics* (2017) 14:154, DOI: 10.1007/s00009-017-0954-2

- Higher order tangent bundles, *Mediterranean Journal of Mathematics* (2017) 14:5, DOI: 10.1007/s00009-016-0812-7
- Higher order frame bundles, *Balkan Journal of Geometry and its Applications* (2016) Vol. 21, No. 2, 102-117
- Complete lift of vector fields and sprays to $T^\infty M$ (joint with S. Rastegarzadeh), *International Journal of Geometric Methods in Modern Physics* (2015) Vol. 12, DOI: 10.1142/S0219887815501133
- Isomorphism classes for higher order tangent bundles, *Advances in Geometry* (2017) Vol. 17 (2), 175–189
- Geometric structure for the tangent bundles of direct limit manifolds (joint with P. Cabau), *Journal of Differential Geometry and Dynamical Systems* (2014) Vol. 16, 239-247
- The Geometry of the bundle of accelerations on Banach manifolds, *Journal of Geometry and Physics* (2013) Vol. 74, 91-100
- Splitting theorems for the double tangent bundle of Frechet manifolds (joint with M. Aghasi), *Balkan Journal of Geometry and its Applications* (2010) Vol. 15, No.2, 1-13
- Ordinary differential equations on infinite dimensional manifolds (joint with M. Aghasi), *Balkan Journal of Geometry and its Applications* (2007) Vol. 12, No.1, 1-8
- Infinite dimensional second order differential equations via $T^2 M$ (joint M. Aghasi, C.T.J. Dodson and G. Galanis), *Nonlinear Analysis* (2007) Vol. 67, 2829-2838

Proceedings contributions

- A geodesic connection in Frechet geometry, *International Conference of Differential Geometry and Dynamical Systems*, 12-15 October 2017, University Politehnica of Bucharest, Romania
- Second order tangent bundles and geometric mechanics - an alternative approach, *International Conference of Differential Geometry and Dynamical Systems*, 28 August - 3 September 2016, Mangalia, Romania
- Higher order geometry, *44th Iranian Mathematics Conference*, 27-30 August 2013, Ferdowsi University, Mashhad , Iran
- On the geometry of bundle of accelerations, *International Conference of Differential Geometry and Dynamical Systems*, 29 August - 2 September 2012, Mangalia, Romania
- Conjugate connections and differential equations on infinite dimensional Manifolds (joint with M. Aghasi, C.T.J. Dodson and G. Galanis), *VIII International colloquium on differential geometry*, 7-11, July 2008, Santiago de Compostela, Spain
- Geodesics with respect to the second order vector fields on infinite dimensional manifolds (joint with M. Aghasi), *4th Iranian Geometry and Topology Seminar*, 13-14 September 2006, Urmia, Iran

Theses

- PhD: Geometry of bundles and ordinary differential equations on infinite dimensional manifolds, Department of Mathematics, Isfahan University of Technology, supervisor *Dr. Mansour Aghasi*, 2010
- MSc: Second Order tangent Bundle of Infinite Dimensional Manifolds, Department of Mathematics, Isfahan University of Technology, supervisor *Dr. Mansour Aghasi*, 2006

Conferences, Research Visits

- Visiting scientist, Department of Mathematics, Goethe University of Frankfurt, Germany, July 20, September 13, 2018, Invited by Prof. Dr. Hans Crauel.
- International Conference of Differential Geometry and Dynamical Systems, 12-15 October 2017, University Politehnica of Bucharest, Romania
- International Conference of Differential Geometry and Dynamical Systems, 28 August - 3 September 2016, Mangalia, Romania
- Conference of "Quantum Mathematical Physics: A Bridge between Mathematics and Physics, 29 September - 2 October 2014, Regensburg, Germany
- 44th Iranian Mathematics Conference, Ferdowsi University of Mashhad, 27-30 August 2013, Mashhad, Iran
- International Conference of Differential Geometry and Dynamical Systems 2012, 29 August-2 September, Mangalia, Romania
- Invited researcher, University of Regensburg, Germany, 2009-2010, in the group of Prof. Dr. Felix Finster
- VIII International Colloquium on Differential Geometry, 7-11 July 2008, Santiago de Compostela, Spain
- School and Conference on Differential Geometry, 2-20 June 2008, International Center for Theoretical Physics (ICTP) Trieste, Italy
- 4th Iranian Geometry and Topology Seminar, 13-14 September, 2006, Urmia, Iran

Language Skills

English: Good skills, including scientific writing and fluent speaking

Farsi: Mother language

Deutsch: Basic knowledge, currently improving