QFG11/0110 - 3.1E	Curriculum Vitae Form - Procedures of Appointment and Promotion Committee

CURRICULUM VITAE

Hamza Alzaareer

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Photo
40mm X 30mm

1. Personal Data

Date of Birth: 7th of October 1978
Nationality: Jordanian

2. Education

- Ph.D. (Mathematics) 2013, University of Paderborn, Nordrhein-Westfalen, Germany

- M.Sc. (Mathematics) 2005, AABU University, Mafraq, Jordan

- B.Sc. (Mathematics) 2001, University of Qatar, Doha, Qatar

3. Ph.D. Dissertation

- *Lie groups of mappings on non-compact spaces and manifolds*, University of Paderborn, Nordrhein-Westfalen, Paderborn, Germany.
- Adviser: Professor Helge Gloeckner

4. Employment

Academic Positions

- Assistant Professor, Department of Mathematics, Al-Zaytoonah University of Jordan, Amman, Jordan, October 2016 - Nowadays
- Visiting Researcher, Stefan Banach International Mathematical Center Institute of Mathematics, Polish Academy of Sciences, Poland, September 2015 to

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October 2015

- Research and Teaching Assistant, Institute of Mathematics, University of Paderborn, Germany, April 2011 to May 2013
- Mathematics Instructor, Ministry of Education, Jordan, September 2005 - May 2009
- Research and Teaching Assistant, Mathematics Department, AABU University, Jordan, October 2003 - April 2005

5. Research Interests

- Algebra and Topology.
- Structure of infinite-dimensional Lie groups and Lie algebras.
- Calculus in locally convex vector spaces.
- Industrial mathematics and mathematical physics.

6. Fellowships and Scholarships

- IRTG Research Fellowship, Germany, October 2009 - March 2013.
- University of Qatar Scholarship, Qatar, October 1997 - July 2001.

9. Grants

- Geometry and analysis in function and mapping theory, Simons Semester, 2019, Poland.
- Dynamical Systems, Simons Semester in Banach Center, 2015, Poland.
- Geometry and Analysis of Symmetries Research grant, 2009 - 2011, German Research Society (DFG).

7. Teaching Experience

- *Undergraduate Courses*

  Abstract Algebra 1 & 2
  Number Theory
  Topology
  Calculus 1 & 2
  Calculus 2 For Engendering
  Calculus For Pharmacy.

10. <u>Professional and Scientific Meetings</u>

Participation in Scientific meetings

• Catania Set Theory and Topology Conference 2020: The Generalization of Exponential Law under First countable Assumptions, University of Catania, Italy, February 18-21, 2020

• 2019 IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), Chair of Mathematical Modeling and Analysis track, Amman-Jordan, April 9-11, 2019

• Workshop on Geometry and analysis in function and mapping theory on Euclidean and metric measure spaces, Banach Center, Warsaw - Poland, October 7-18, 2019

• Workshop on Topics in Analysis and Holomorphic Dynamics: Banach Center, Warsaw - Poland, September 15-19, 2015

• Fractal Geometry and Dynamics: IMPAN-CB Research and Conference Center, Bedlewo - Poland, October 12-16, 2015

• Invited talk: New classes of infinite-dimensional Lie groups, University of Greifswald, Germany, January 7, 2014

• Conference Seminar Sophus Lie: Darmstadt - Germany, October 5-6, 2012

• Conference Seminar Sophus Lie: Luxembourg - Luxembourg, June 15-16, 2012

• Conference Seminar Sophus Lie: Reims - France, February 9-11, 2012

• Conference Seminar Sophus Lie: Erlangen - Germany, July 15/16, 2011

• NWDFA - Kolloquium: Bergische Universitaet Wuppertal - Germany, Juli 9, 2011

• Conference Seminar Sophus Lie: Marburg - Germany, January 6/7, 2011

• Conference Seminar Sophus Lie: Mulhouse - France, April 22-24, 2010

• Workshop on Non-Archimedean Analysis, Lie Groups and Dynamical Systems, University of Paderborn - Germany, February 8-12, 2010

• CIMPA Summer School: Codes over Rings, Middle East Technical University Turkey, August 18-29, 2008.

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11. Publications

- Alzaareer, H. "Lie groups of C^k-maps on non-compact manifolds and the fundamental theorem for Lie group-valued mappings". Journal of Group Theory (accepted), 2020

- Alzaareer, H. "Differential calculus on multiple products". Indagationes Mathematicae, Volume 30, Issue 6, (2019), 1036-1060

- MA Hammad, H Alzaareer, H Al-Zoubi, H Dutta, "Fractional Gauss hypergeometric differential equation". Journal of Interdisciplinary Mathematics 22 (7), (2019), 1113-1121

- H Al-Zoubi, H Alzaareer, T Hamadneh, MA Rawajbeh, "Tubes of coordinate finite type Gauss map in the Euclidean 3-space". Indian J. Math. (accepted).

- Alzaareer, H. and Schmeding, A. "Differentiable mappings on products with different degrees of differentiability in the two factors". Expositiones Mathematicae, Volume 33(2), 184-222 (2015), DOI: 10.1016/j.exmath.2014.07.002.

- Alzaareer, H. "Lie Groups of Mappings on Non-Compact Spaces and Manifolds." Universiteatsbibliothek - Paderborn, 134 pages, 2013 (see nbn-resolving.de/urn:nbn:de:hbz:466:2-11572).

- Alzaareer, H. and Bataineh, A. "On a generalized difference sequence spaces over non-Archimedean fields and related matrix transformations". [J] Commun. Korean Math. Soc. 20, No. 4, 723-729.