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EDUCATION

2011 **Department of Mathematics Sciences, University of Liverpool**
to
2014 *Liverpool, United Kingdom.*

2014 *Doctor in Philosophy (Pure Mathematics).*

Title of thesis: Fundamental Domains for Left-right Actions in Lorentzian Geometry.

2009 **Department of Mathematics Sciences, University of Liverpool**
to
2010 *Liverpool, United Kingdom.*

2010 *Master of Science (Mathematical Sciences) with distinction.*

Title of thesis: Fundamental Domains in Euclidean and Hyperbolic Geometry.

2003 **Mathematics Department, College of Teaching at King Saud University**
to
2007 *Riyadh, Saudi Arabia.*

2007 *Bachelor of Education (Mathematics).*

WORK HISTORY

2020 **Associate Professor of Mathematics**
to
Present *Department of Mathematics, King Saud University.*
Riyadh, Saudi Arabia

2018 **Vice Dean for Academic Affairs**
to
Present *College of Science, King Saud University*
Riyadh, Saudi Arabia.

2014 **Assistant Professor of Mathematics**
to
2020 *Department of Mathematics, King Saud University.*
Riyadh, Saudi Arabia.

2018 **Consultant at Common First Year**
to
2019 *Common First Year, King Saud University*
Riyadh, Saudi Arabia.

2016 **Chairman of Basic Science Department**
to
2018 *Common First Year, King Saud University*
Riyadh, Saudi Arabia.

2008 **Scholarship for studying Master and PhD.**
to
2014 *University of Liverpool*
Liverpool, United Kingdom.

2007 **Teaching Assistant**
to
2014 *Department of Mathematics, King Saud University.*
Riyadh, Saudi Arabia.

LANGUAGE SKILLS

- Speak, read, and write Arabic.
- Speak, read, and write fluent English.

ACADEMIC AWARDS

- Distinction Award for the thesis of Master, awarded by the Saudi Arabian Cultural Bureau, UK, 2010.
- Distinction Award for the Master, awarded by the Saudi Arabian Cultural Bureau, UK, 2009-2010.
- Distinction Award for the 1st Year of PhD, awarded by the Saudi Arabian Cultural Bureau, UK, 2011-2012.
- Distinction Award for the 2nd Year of PhD, awarded by the Saudi Arabian Cultural Bureau, UK, 2012-2013.
- Distinction Award for the 3rd Year of PhD, awarded by the Saudi Arabian Cultural Bureau, UK, 2013-2014.
- Distinction Award for the final Year of PhD, awarded by the Saudi Arabian Cultural Bureau, UK, 2014.
- Distinction Award for the best poster in Science at the Seventh Saudi Students Conference (SSC2014) that was hold at Edinburgh International Conference (EICC), Edinburgh, UK, 1st - 2nd of February 2014.
- Awarded for best author book (Differential Calculus Book), King Saud University Award for Scientific Excellence, 2018.

SOFTWARE/SYSTEM SKILLS

- Text formatting and office computing: LaTeX, Word, Excel, PowerPoint.
- Mathematical software: Maple, Matlab and Geomview.

TEACHING EXPERIENCE

2015 Faculty member at department of mathematics in King Saud University.
to Taught the following courses:
Present Math 111 : Integration Calculus.
Math 106 : Integration Calculus.
Math 473 : Introduction to Differential Geometry.
Math 499 : Research Project.

2012 Teaching Assistant at Department of Mathematics in The University of
to Liverpool. Taught MATH349: Differential Geometry.

2013
2007 Teaching Assistant at Department of Mathematics in King Saud University.
to Taught courses in calculus.
2008

CONFERENCES AND WORKSHOPS

- Graduate School "First Year Skills Workshop", University of Liverpool, UK, January 2011.
- "Herman Brain Dominance Instrument Workshop" organised by Quality Side Training Centre, Liverpool UK, February 2012.
- "Opportunities and Challenges for Faculty Members Today Workshop", organized by the Academic Leadership Centre, Ministry of Higher Education, Saudi Arabia, held in London, UK , 22 April 2012.
- International Workshop in Singularity Theory, its Applications and Future Prospects, University of Liverpool, UK, 18-22 June 2012.
- International Conference " Analysis and Singularities" dedicated to the 75th anniversary of Vladimir Igorevich Arnold, Moscow, Russia, 17-21 December 2012.

- Conference on Geometry and Topology of Complex Singularities, CIRM, Marseille, France, 15-19 April 2013.
- "Introduction to Academic Leadership", organized by the Academic Leadership Centre, Ministry of Higher Education, Saudi Arabia, held in London, UK , 19 May 2013.
- Conference on Singularities in Geometry and Applications III, ICMS, Edinburgh, UK, 2-6 September 2013.
- British Singularity Day, Liverpool, UK, November 2013.
- The Seventh Saudi Students Conference (SSC2014), Edinburgh International Conference Centre (EICC), UK, 1-2 February 2014.
- Conference on Representation Theory and Related Topics, University of Connecticut, USA, 11-12 May 2015.
- Conference on Topology, Geometry and Dynamics. In honour of François Lalonde, CRM, University of Montreal, Canada, 31 August- 4 September 2015.
- The Annual Conference on The First-Year Experience, Atlanta, Georgia, USA, 11-14 February 2017.
- Workshop on Hot Topics: Galois Theory of Periods and Applications, MSRI, Berkeley, USA, 27-31 March 2017.
- Workshop on Expected Characteristic Polynomial Techniques and Applications, Institute for Pure and Applied Mathematics, Los Angeles, USA, 9-13 April 2018.

MEMBERSHIP AND ADMINISTRATIVE ROLES

- Member of the Saudi Students Club in Bath, UK, 2008-2009.
- Member of the Saudi Students Club in Liverpool, UK, 2009-2014.
- Finance Manager of the Saudi Students Club in Bath, UK, 2009.
- Social and Sports administrator of the Saudi Students Club in Liverpool, UK, 2012.
- Member of the Research Group on Singularity Theory and its Applications, University of Liverpool.
- Member of Geometry and Topology committee of the Department of Mathematics, King Saud University, 2015 to present.
- Member of Algebra committee of the Department of Mathematics, King Saud University, 2015 to present.
- Supervisor of the Department of Mathematics in the summer semester of the year 2014-2015.
- Member of Common First Year Deanship Council, King Saud University, 2016 to 2018.
- Member of the Saudi Association of Mathematical Sciences, 2016 to present.
- Member of the Department of Mathematics council, King Saud University, 2015 to present.
- Member of Disciplinary committee on Common First Year Deanship, King Saud University, 2017 to 2018.
- Coordinator of Recruitment Committee on Math and Stat trainers for the Basic Sciences Department, Common First Year Deanship, King Saud University, 2016 to 2018.
- Chairman of the committee for Academic Plans and Programs, College of Sciences, King Saud University, 2018 to present.
- Member of College of Sciences Council, King Saud University, 2018 to present.

RESEARCH INTERESTS:

- Geometric structures on links of singularities theory.
- Complex hyperbolic geometry.
- Lorentz geometry.
- Riemannian geometry.

PUBLICATIONS

- N. Bin Turki, "Fundamental Domains in Euclidean and Hyperbolic Geometry", Master Thesis, University of Liverpool, 2010.
- N. Bin Turki, "Fundamental Domains for Left-right Actions in Lorentzian Geometry", PhD Thesis, University of Liverpool, 2014.
- N. Bin Turki and A. Pratoussevitch, "Two Series of Polyhedral Fundamental Domains for Lorentz Bi-Quotients", differential geometry and its applications, 10.1016/j.difgeo.2019.101578, 2020.
- S. Deshmukh and N. Bin Turki "A note on φ -analytic Conformal Vector Fields", Analysis and Mathematical Physics (Springer), DOI 10.1007/s13324-017-0190-8, 2017.
- S. Deshmukh, B.Y.Chen and N. Bin Turki "Two differential equations for Frenet curves in Euclidean 3-space and their applications", Rom J Math Comput Sci 2018; 8(1): 1–6.
- I. Alolyan, N. Bin Turki, T. Ghazal, O. Al-Ghtani and K Khashan, "Differential Calculus Book", King Saud University Press, ISBN:978-603-8197-51-6, 2017.
- N. Bin Turki, B.Y.Chen and S. Deshmukh "Conformal vector fields and Yamabe solitons", International Journal of Geometric Methods in Modern Physics, 10.1142/S0219887819500531, 2019.
- Translation "Riemannian Geometry (A Beginner's Guide) Book" for the Author Frank Morgan, Press King Saud University (in press).
- N. Bin Turki and A. Pratoussevitch, "Symmetries Of Tilings Of Lorentz Spaces", Moscow Mathematical Journal, 2019, (Accepted).
- N. Bin Turki, A NOTE ON CENTRODES OF FRENET CURVES IN EUCLIDEAN THREE SPACE, Far East Journal of Mathematical Sciences (FJMS), 2020, (In Press).
- Sharief Deshmukh, Patrik Peška and Nasser Bin Turki, Geodesic Vector Fields on a Riemannian Manifold, MDPI Mathematics, 10.3390/math8010137, 2020.
- Sharief Deshmukh, Nasser Bin Turki and Hana Alsodais, Characterizations of trivial Ricci solitons, Advances in Mathematical Physics, 2020, (Accepted).
- Haila Alodan, Sharief Deshmukh, Nasser Bin Turki and Gabriel-Eduard Vilcu, Hypersurfaces of a Sasakian Manifold, MDPI Mathematics, DOI: 10.3390/math8060877, Volume: 8 Issue: 6, 2020
- Sharief Deshmukh, Josef Mikeš, Nasser Bin Turki and Gabriel-Eduard Vilcu, A Note on Geodesic Vector Fields, MDPI Mathematics, doi:10.3390/math8101663, Volume: 8 Issue: 10, 2020

REFERENCES

- Dr. Anna Pratoussevitch, Department of Mathematical Sciences, University of Liverpool, Email: Anna.Pratoussevitch@liv.ac.uk, Phone: (+44)-151-794-4069.
- Prof. Victor Goryunov, Department of Mathematical Sciences, University of Liverpool, Email: Victor.Goryunov@liverpool.ac.uk, Phone: +44 (0)151 794 4041.
- Dr. Nami Aljehani, Deputy Minister for School Affairs, Ministry of Education, Email: naljehani@ksu.edu.sa, Phone: +966 (0) 506544275.