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| drismail664@gmail.comNationality: British | Dr. Ismail Abdel Mageed Mohamed**Personal Strengths**My background in mathematics has allowed me to develop my skills as a logical thinker and a problem solver. This is also reflected in my attention to detail and accuracy, as a mathematician must always be extremely precise in the formation of an argument. Getting into computing has given me an unparallel insight to think beyond classical frames and enabled me to provide cutting-edge applications to develop numerous multi-interdisciplinary fields of human expertise. Fundamentally, my immense participation in high-profile conferences in the UK and worldwide was a great chance to gain a great network of researchers in both academia in industry, which was the basis of my huge research collaboration and having numerous research team members under my lead. I have my own innovative teaching skills, together with a great passion for teaching excellence. I have been always a genuine communicator, with excellent team-work skills, as part of my character. |
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| Education2023 **PhD University of Bradford**1998 University of Manchester **MPhil - Master of Philosophy in Mathematical Logic** 1998 University of Manchester, Science Engineering & Medicine **Certificate of Completion of Personal Skills Module**1997 University of Manchester, Training & Development Unit1994 Assuit University, Egypt**MSc in Mathematics (Algebra combined with Mathematical Logic)**1987 Assuit University, Egypt **BSc in Mathematics (Grade - Very Good)**Employment 1987-1996:Assistant Lecturer of Mathematics, Assuit University, Egypt1997-1998: Assistant Lecturer of Mathematics, University of Manchester, UK2000-2022: Lecturer of Mathematics, UMIST University, UK 2022- till current: University of Bradford, United Kingdom. |
|  | **Editorial board memberships**BAJECE and EJT journals <https://dergipark.org.tr/en/pub/bajece/board> <https://dergipark.org.tr/en/pub/ejt/board> I am now a member of the international editorial board of the eSJCIT journal of Uniten Technologize Universiti, one of the top five universities in Malaysia. <https://ejcsit.uniten.edu.my/index.php/ejcsit/about/editorialTeam> Chief editor of Mathematical Sciences, Krary University Journals, Sudan <https://journals.karary.edu.sd/index.php/JKUES/EditorialBoard> (<https://journals.karary.edu.sd/index.php/JKUES/EditorialBoard>) Associate Editor of Mathematics, **Revue Nature et Technologie**, Hassiba Benbouali University of Chlef, AlgeriaIRAQI JOURNAL FOR ELECTRICAL AND ELECTRONIC ENGINEERING (IJEEE)<https://ijeee.edu.iq/>**Academic memberships**United Kingdom president of The International Society of Fuzzy Sets Extensions and Applications(ISFSEA).Fellow of the Royal statistical Society(RSS) of the United KingdomMember of IEEE.Member of the Institute of Systems and Technologies of Information, Control and Communication (INTISCC), Portugal.Member IAENG(The International Association of Engineers), HONG KONG.Life member of the Islamic Countries Society of Statistical Sciences (ISOSS), University of Lahore, Pakistan.List of PublicationsResearchGate Profile:<https://www.researchgate.net/profile/Ismail-A-Mageed-2>IEEE Explore Profile:<https://ieeexplore.ieee.org/author/37089560301>Google Scholar Profile:<https://scholar.google.com/citations?hl=en&user=_j9hfLMAAAAJ>Web of Science Profile:<https://www.webofscience.com/wos/author/record/JGC-9253-2023>ScitePress profile:<https://www.scitepress.org/PersonProfile.aspx?PersonAccountID=JS19M3/OKjA=&t=1>**Keynotes:**1. Keynote speaker atInternational Conference on Computer & Applications (ICCA 2023), The British University in Egypt(BUE)2. Keynote speaker atThe 2nd International Conference on Applied Mathematics, Informatics, and Computing Sciences (AMICS 2023), Ghent University, Belgium.**Book chapters:**1. Kouvatsos, D. D., Mageed, I. A., Anisimov, V., & Limnios, N. (2021). Non-Extensive Maximum Entropy Formalisms and Inductive Inferences of Stable M/G/1 Queue with Heavy Tails. Advanced Trends in Queueing Theory, 2.2. KOUVATSOS, D. D., & MAGEED, I. A. (2021). Formalismes de maximum d’entropie non extensive et inférence inductive d’une file d’attente M/G/1 stable à queues lourdes. Théorie des files d’attente 2: Théorie et pratique, 183.**Three Chapters of a high-profile Springer Book in progress:**1.Shallow learning vs Deep learning in anomaly detection applications- A Springer book entitled, "Shallow Learning vs Deep Learning: A Practical Guide for Machine Learning Solutions" , co-edited by : Ömer Faruk Ertuğrul.2. Shallow learning vs Deep learning in real-world applications - A Springer book entitled, "Shallow Learning vs Deep Learning: A Practical Guide for Machine Learning Solutions" , co-edited by : Ömer Faruk Ertuğrul.3. Shallow learning vs Deep learning in social applications- A Springer book entitled, "Shallow Learning vs Deep Learning: A Practical Guide for Machine Learning Solutions" , co-edited by : Ömer Faruk Ertuğrul.**Preparation for conferences:**1. ICCA 2024, The British University in Egypt. 2. AMICS 2024, Ghent University, Belgium.3. The International Hybrid Conference, Department of Media,Communication and Library Sciences, Faculty of Humanities And social studies at the University of May 8, 1945, Guelma University, Algeria, Digital communication, and its role in promoting sustainable development (stakes and challenges)(May 15/16, 2024).**Accepted papers to be published this month:**1. Ismail A Mageed, How Satellite Imaging and Deep Learning are Influenced by Tensor, AMIC 2023 proceedings.2. Ismail A Mageed, Info-Geometric Analysis of Gamma Distribution Manifold with Gamma Distribution Impact to Advance Satellite Earth Observations, AMIC 2023 proceedings.3. Ismail A Mageed, Threshold and Upper Bound for The Controller’s Designed Parameter of Fokker Planck Kolmogorov Probability Density Function with Applications to Cryptocurrency, AMICS 2023 proceedings.4. Ismail A Mageed, Fractal Dimension of Ismail’s Third Entropy with Fractal Applications to CubeSat Technologies and Education, AMICS 2023 proceedings.5. Aisha F.A. Mohammed, Ismail A Mageed, Dirac contour representation for quantum systems with finite-dimensional Hilbert space in the extended complex plane, AMICS 2023 proceedings.6. Ismail A Maged, Fractal Dimension Theory of Ismail's Second Entropy with Potential Fractal Applications to ChatGPT, Distributed Ledger Technologies(DLTs) and Image Processing(IP), ICCA 2023.7. Ismail A Maged, Unified Information Data Length (IDL) Theoretic Approach to Information- Theoretic Pathway Model Queueing Theory (QT) with Rényi entropic applications to Fuzzy Logic, ICCA 2023.8. Ismail A Mageed, The stable M/G/1 queue's Non-Extensive Maximum Entropy Formalism, and Extensive Maximum Entropy Consistency Axioms with Stable Queue applications to 6G networks and Multimedia Applications, ICCA 2023.9. Ismail A Mageed, Fractal Dimension of Ismail's Fourth Entropy with Fractal Applications to Algorithms, Haptics, and Transportation , ICCA 2023.10. Ismail A Mageed, Uniqueness of The Time-Dependent Controller's Designed Parameter (TDCDP) of Fokker Planck Kolmogorov(FPK) Probability Density Function(PDF) with Applications of Lambert W Function to Number Theory, ICCA 2023.**Decompositions : A review****Publications in progress:**1. The Info-Geometric analysis of wind speed dynamics and how Energy is influentially impacted by Information Geometry (IG).2. Fractal Dimension of the Generalized Z-Entropy (GZE) of The Rényian Formalism of Stable $M/G/1$ Queue with Some Potential Applications of Fractal Dimension to Big Data Analytics(BDAs).3. Fractal Dimension(Df )Theory of Ismail's entropy(IE) with Potential Df applications to Smart Cities.4. Shannonian Maximum Entropy Balking Threshold Mechanism (BTM) for a Stable $M/G/1$ Queue with Significant Applications of $M/G/1$ Theory to Augmented Reality (AR).5. Maximum Ismail’s Second Entropy($H\_{I}^{q})$Formalism of Heavy-Tailed Queues with Hurst Exponent Heuristic Mean Queue Length Combined with Potential Applications of Hurst Exponent to Social Computing and Connected Health.6. Info-Geometric Analysis of the Dynamics of Parthasarathian Transient Solution of M/M/1 Queue Manifold with Info-Geometric Applications to Machine Learning.7. Solving the Open Problem of Finding the Exact Pointwise Stable Fluid Flow Approximation (PSFFA) State Variable of a Non-Stationary $M/M/1$ Queue with Potential Real-Life PSFFA Applications to Computer Engineering.8. Effect of the root parameter on the stability of the non-stationary $D/M/1$ queue’s $GI/M/1$ model with PSFFA applications to the Internet of Things (IoT).9. Info-Geometric Analysis of Human-Trust Based Feedback Control (HTBFC) Five-Dimensional Manifold with HTBFC Applications to Robotics.10. Information geometric analysis of the dynamics of transient M/M/$\infty $ queue manifold(QM).11. Information geometric analysis of the dynamics of Parthasarathian formalism of transient $M/M/1$ queue manifold(QM).12. On the Rényi Entropy Functional, Tsallis Distributions and Lévy Stable Distributions.13. Info-geometric analysis of non-time dependent queueing systems.14. On the Kullback-Leibler divergence formalism (KLDF) of the stable $M/G/1$ queue manifold, its information geometric structure and its matrix exponential.15. Upper and lower bounds of the state variable of $M/G/1$ PSFFA model of the non-stationary $M/E\_{k}/1 $queueing system.16. Effect of the root parameter on the stability of the non-stationary $D/M/1$ queue’s $GI/M/1$ model with PSFFA applications to the Internet of Things (IoT).17. Fractal dimension of $\left(q,β\right) $Generalized Rényian Entropy, $R\_{β}^{q}$ with potential fractal dimension applications to smart cities.18. Information Data Length Theory for the Transient $M/M/\infty $ Queueing System.19. Info- geometric analysis of the stable $G/G/1$ queue manifold dynamics with $G/G/1$ queue applications to E-health.20. A theory of everything: when information geometry meets the generalized Brownian motion and the Einsteinian relativity.21. A novel entropic approach to the advancement of Perplexity AI. |
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**Referees**

1. Professor Matthew Leeke

[School of Computer Science](https://www.birmingham.ac.uk/schools/computer-science/index.aspx)
Chair in Dependable Systems
Deputy Head of School (Education) of Computer Science

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Recommendation Letter are attached within the application.