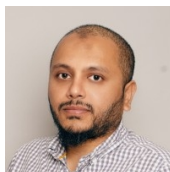


## Academic Resume



### Sachi Arafat

Assistant Professor, Information Systems Department

#### Contact Information.

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#### Highest Degree.

2008, Ph.D., Computer science, University of Glasgow, UK.

#### Academic and Professional Experiences.

1. **2022 - 2023**  
Chair: Middle East Chapter, ASIS&T, . .
2. **2014 - 2018**  
Honorary Research Fellow, Stirling, UK, Cognitive Signal Image & Control Processing Research Lab, University of Stirling.
3. **2014 - 2017**  
Honorary Research Fellow, Glasgow, UK, School of Computer Science, University of Glasgow.
4. **2011 - 2018**  
Reviewer, Journal of the ASIS&T, USA, ASIS&T.
5. **2008 - 2014**  
Royal Academy of Engineering Postdoctoral Research Fellow, Glasgow, United Kingdom, University of Glasgow.
6. **2008 - 2009**  
Assistant Professor, Kuala Lumpur, Malaysia, Faculty of Engineering, International Islamic University of Malaysia (IIUM).
7. **2005 - 2005**  
Lessells Visiting Scholar, CA, USA, School of Information, University of California at Berkeley.
8. **2003 - 2008**  
PhD Researcher on EPSRC Scholarship, Glasgow, UK, School of Computer Science, University of Glasgow.
9. **2003 - 2006**  
Postgraduate Demonstrator, Glasgow, UK, School of Computer Science, University of Glasgow.
10. **2002 - 2003**  
Undergraduate Demonstrator, Glasgow, School of Computer Science, University of Glasgow.
11. **2002 - 2002**  
Technology Analyst, London, United Kingdom, Fixed Income and Deposits, Credit Suisse First Boston.
12. **2001 - 2001**  
Undergraduate Research Assistant, Glasgow, UK, School of Computer Science, University of Glasgow.

Last Profile Update: December 25, 2023

## Academic and Professional Experiences.

13. **1999 - 2004**

Private tutor for School, Undergraduate and Postgraduate students in Mathematics and Computing, Glasgow, UK, Self-Employed.

14. **1999 - 1999**

Database Administrator and Technology Consultant, Glasgow, UK, Oxfam Head Office, IT Division.

## Research Interests.

Foundations of Information Science, Philosophy of Technology and New Media, Applications of Quantum theory outside of Physics, Data Science and Information Retrieval.

## Certifications and Trainings.

1. Microsoft Professional Certification in Designing and Implementing Desktop Applications with Microsoft Visual Basic 6.0.
2. Microsoft Professional Certification in Designing and Implementing Web Solutions with Microsoft Visual InterDev 6.0.
3. Microsoft Professional Certification in Designing and Implementing Distributed Applications with Microsoft Visual Basic 6.0.

## Social, Scientific and Professional Affiliation.

1. -, Microsoft Certified Professional (1999, lapsed), Microsoft.
2. -, MBCS, British Computer Society.
3. -, Ordinary Member, ASIS&T.

## Publications.

1. Aybike Ozyuksel Ciftcioglu, Betul Ustuner, Erkan Dogan, Sachi Arafat, Amir Hussain, "Taguchi-Enhanced Grey Wolf Optimizer For Robust Design Of Cellular Beams", *Mechanics Based Design Of Structures And Machines*, pp. 1-30, 2023.  
DOI: [10.1080/15397734.2023.2262564](https://doi.org/10.1080/15397734.2023.2262564)
2. Muhammet Damar, Jelina Haines, Sachi Arafat, "A Quarter Left To Metaverse, An Assessment On Digital Culture", *Ictss 2022: Izmir International Conference On Technology And Social Sciences*, 2022.
3. Walaa Alhabashi, Kawther Saeedi, Naif Aljohani, Sachi Arafat, Rabeeh Abbasi, "Mining And Classifying Social Network Data: The Case On King Abdul-Aziz University Twitter Accounts", pp. 317-326, 2021.  
DOI: [10.1007/978-3-030-62066-0\\_24](https://doi.org/10.1007/978-3-030-62066-0_24)
4. Farah Haneef, Rabeeh Ayaz Abbasi, Muddassar Azam Sindhu, Akmal Saeed Khattak, Muhammad Nouman Noor, Naif Radi Aljohani, Ali Daud, Sachi Arafat, "Using Network Science To Understand The Link Between Subjects And Professions", *Computers In Human Behavior*, vol: 106, pp. 106228, 2020.  
DOI: [10.1016/j.chb.2019.106228](https://doi.org/10.1016/j.chb.2019.106228)
5. Fadhil A. Darwis and Sachi Arafat, "Enabling Social Responsibility Through Inculcating Habits Of Giving By Learning From Successful Non-Profit Crowdfunding Campaigns", *Jkau: Comp. It. Sci.*, Vol. 8 No. 1, 2019.
6. Kathryn La Barre, Michael K. Buckland, Sachi Arafat, "Glittering In The Dark: Memory, Culture, And Critique In Light Of The History Of Information", *Proceedings Of The Association For Information Science And Technology*, vol: 55, pp. 701-703, 2019.  
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7. Wahab Khan, Ali Daud, Fahd Alotaibi, Naif Aljohani, Sachi Arafat, "Deep Recurrent Neural Networks With Word Embeddings For Urdu Named Entity Recognition", *Etri Journal*, 2019.  
DOI: [10.4218/etrij.2018-0553](https://doi.org/10.4218/etrij.2018-0553)
8. Afnan M. AlSukhayri, Muhammad Ahtisham Aslam, Sachi Arafat, Naif Radi Aljohani, "Leveraging The Saudi Linked Open Government Data: A Framework And Potential Benefits", *International Journal Of Modern Education And Computer Science*, vol: 11, pp. 14-22, 2019.  
DOI: [10.5815/ijmecs.2019.07.02](https://doi.org/10.5815/ijmecs.2019.07.02)
9. Sachi Arafat, Elham Ashoori, "Search Foundations: Towards A Science Of Technology Mediated Experience, Mit Press", 2019.
10. Wahab Khan, Ali Daud, Jamal Abdul Nasir, Tehmina Amjad, Sachi Arafat, Naif Aljohani, Fahd S. Alotaibi, "Urdu Part Of Speech Tagging Using Conditional Random Fields", *Language Resources And Evaluation*, vol: 53, pp. 331-362, 2018.  
DOI: [10.1007/s10579-018-9439-6](https://doi.org/10.1007/s10579-018-9439-6)
11. Sachi Arafat, Naif Aljohani, Rabeeh Abbasi, Amir Hussain, Miltiades Lytras, "Connections Between E-Learning, Web Science, Cognitive Computation And Social Sensing, And Their Relevance To Learning Analytics: A Preliminary Study", *Computers In Human Behavior*, 2018.  
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12. Sachi Arafat, Michael Buckland, Melanie Feinberg, Fidelia Ibekwe-SanJuan, Ryan Shaw, Julian Warner, "Pluri, Multi-, Trans- Meta- And Interdisciplinary Nature Of Lis. Does It Really Matter?", *Proceedings Of The American Society For Information Science And Technology*, vol: 51, pp. 1-5, 2015.  
DOI: [10.1002/meet.2014.14505101010](https://doi.org/10.1002/meet.2014.14505101010)
13. Sachi Arafat, "Fundamental Research Questions In Information Science", *Proceedings Of The American Society For Information Science And Technology*, vol: 48, pp. 1-3, 2012.  
DOI: [10.1002/meet.2011.14504801161](https://doi.org/10.1002/meet.2011.14504801161)
14. Sachi Arafat, "Senses In Which Quantum Theory Is An Analogy For Information Retrieval And Science", *Quantum Interaction 2011*, 2011.

## Publications.

15. Vassilis Charissis, Stylianos Papanastasiou, Lewis Mackenzie, Sachi Arafat, "Evaluation Of Collision Avoidance Prototype Head-Up Display Interface For Older Drivers", International Conference On Human-Computer Interaction, 2011.
16. Dawei Song, Massimo Melucci, Ingo Frommholz, P. Zhang, L. Wang, Sachi Arafat, "Proceedings Of The 5th International Symposium On Quantum Interaction", vol: 7052, 2011.
17. Vassilios Charisis, George Vlachos, Sachi Arafat PhD, "On The Impact Of Early Warning Collision Avoidance Information Through Prototype Head-Up Display For Older Drivers", Sae 2011 World Congress & Exhibition, 2011.  
DOI: [10.4271/2011-01-1033](https://doi.org/10.4271/2011-01-1033)
18. Dawei Song, Mounia Lalmas, CJ van Rijsbergen, Ingo Frommholz, Benjamin Piwowarski, Jun Wang, Peng Zhang, Guido Zuccon, Peter D Bruza, Sachi Arafat, Leif Azzopardi, Emanuele Di Buccio, Alvaro Huertas-Rosero, Yuexian Hou, Massimo Melucci, Stefan Rueger, "How Quantum Theory Is Developing The Field Of Information Retrieval", Aaai Fall Symposium 2010 On Quantum Informatics For Cognitive, Social, And Semantic Processes, 2010.
19. Vassilios Charisis, George Vlachos, Warren Chan, Sachi Arafat, "Early Notification Warning System For Prototype Head-Up Display: Development And Evaluation Of Traffic Congestion And Sharp Turn Warnings", Sae 2010 World Congress & Exhibition, 2010.  
DOI: [10.4271/2010-01-0462](https://doi.org/10.4271/2010-01-0462)
20. Vassilis Charissis, Martin Naef, Sachi Arafat, George Vlachos, "On The Impact Of User???S Computer Knowledge On Driving Simulation Test Results-Hud Simulation Case Study Authors", Proceedings Of The European Annual Conference On Human Decision-Making And Manual Control,, 2008.
21. Vassilis Charissis, Sachi Arafat, Marianne Patera, Chistodoulos Christomanos, Warren Chan, "Ai For Driving Simulator Vehicles And Accident Events", Artificial Intelligence And Applications 2007, 2007.
22. Sachi Arafat, Cornelis Joost van Rijsbergen, "Quantum Theory And The Nature Of Search. Authors", Aaai Symposium In Quantum Interaction, 2007.
23. Sachi Arafat, "A Formal Approach To Information Retrieval (Search) Based On Quantum Mechanics", Adaptive Information Retrieval 2006, 2006.
24. Sachi Arafat, C.J van Rijsbergen and Joemon Jose, "Formalising Evaluation In Information Retrieval", Colis 5, Workshop On Evaluating User Studies In Information Access, 2005.