



Muhammad Qasim Pasta

Assistant Professor

Contact Information:

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Qualification

- Ph.D. Candidate, PAF – Karachi Institute of Economics and Technology
- MS (Software Engineering), PAF – Karachi Institute of Economics and Technology
- BS (Computer Science), Hamdard University (UIT)

Area of Specialization

- Software Development
- Social Network Analysis
- Technology Entrepreneurship

Work Experience

- Research Assistant, Habib University (2015-2017)
- MIS Manager & Assistant Professor, Usman Institute of Technology (2014-2015)
- Assistant Professor & Program Manager, Karachi Institute of Economics and Technology (2009-2014)
- Technical Lead, OvrloD Pvt. Ltd. (2009)
- Software Engineer, ITIM Systems (2007-2008)

Membership & Affiliation

- Professional Member IEEE

Research Interests

- Network Analysis
- Data Science
- Information Retrieval and Visualization
- Graph Databases

Courses Taught

- Programming Fundamental
- Data Structures
- Functional Data Structures
- Object Oriented Programming
- Social Network Analysis
- Theory of Automata
- Software Engineering
- Object Oriented Analysis and Design
- Technology Entrepreneurship

Publications & Conferences

- Zaidi, Faraz, Muhammad Qasim Pasta, Arnaud Sallaberry, and Guy Melançon. "Social ties, homophily and extraversion--introversion to generate complex networks." **Social Network Analysis and Mining 5, no. 1 (2015): 1-12. (ISI Indexed)**
- Pasta, Muhammad Qasim, Faraz Zaidi, and Céline Rozenblat. "Generating online social networks based on socio-demographic attributes." **Oxford Journal of Complex Networks 2, no. 4 (2014): 475-494.**
- Pasta, Muhammad Qasim, Zohaib Jan, Faraz Zaidi, and Céline Rozenblat. "Demographic and structural characteristics to rationalize link formation in online social networks." In Signal-Image Technology & Internet-Based Systems (SITIS), 2013 International Conference on, pp. 577-584. IEEE, 2013.
- Pasta, Muhammad Qasim, Zohaib Jan, Arnaud Sallaberry, and Faraz Zaidi. "Tunable and growing network generation model with community structures." In Cloud and Green Computing (CGC), 2013 Third International Conference on, pp. 233-240. IEEE, 2013.
- Pasta, Muhammad Qasim, and Muhammad Khalid Khan. "iBehavior: Framework for managing behaviors of Smart-phone on basis of user location." Proc. of ICISCA (2012).
- Pasta, Muhammad Qasim, and Muhammad Khalid Khan. "Location Based Ad Service for Super Stores." In International Conference on Business, Technology & Engineering. 2010.