Academic CV: Muhammad Bilal Khan

Education

2023 (on-going). PhD in Computer Science, Free University of Bozen-Bolzano, Italy
2012 MS in Human-Computer Interaction, Umea University, Sweden
2008 BS in Computer Engineering, Bahria University, Pakistan

Present appointment

- Tutor/Assistant for the Programming Fundamentals (1 and 2)
- September 2024-25
- National level (Italy)
- Free University of Bozen-Bolzano, Italy
- Supporting the course instructor in delivering lectures, assisting students with coursework, providing guidance during lab sessions, grading assignments and exams.

Academic Positions

March 2020 / November 2023. Senior Lecturer in Department of Software Engineering, UCP, Pakistan
September 2018 / March 2020. Lecturer in Department of Computer Science, UoL, Pakistan
September 2015 / September 2018. Instructor in Faculty of Computer Science and Engineering, GIKI, Pakistan

Research and scholarships

PNRR Italian PhD Scholarship, 2023

Main Research Interest

Bilal's research area of interest is child-computer interaction with a focus on storytelling for children. His work focuses on integrating technology to enhance narrative experiences, examining how children interact with smart devices, and exploring the impact on their imagination and learning.

Recent Chair-Responsibilities in Conferences

2024 Session Chair, mis4TEL, Salamanca, Spain
2023 Conference Secretary, INMIC, UCP, Pakistan

Recent Relevant Publications

1. Mores, M., Khan, M. B., Melonio, A., & Gennari, R. (2025). *Phygital Artefacts and People with Intellectual Disability: a Case Study.* Manuscript **(submitted)** for review to CHItaly 2025 – 16th Biannual Conference of the Italian SIGCHI Chapter.

2. Gennari, R., Khan, M. B., & Melonio, A. (2025). *Young children's interactions with storytelling phygital artefacts: A case study.* Manuscript **(submitted)** for publication to the International Journal of Child–Computer Interaction.

3. Gennari, R., Khan, M. B., & Melonio, A. (2025). Storytelling and phygital artefacts for preschools: The case study of the Hat Atelier. In Proceedings of the 15th International Conference on Methodologies and Intelligent Systems for Technology Enhanced Learning (MIS4TEL 2025) (pp. xx–xx). Lille, France: Springer. **(accepted)**

4. Gennari, R., Khan, M. B., & Melonio, A. (2024). Storytelling with technology-enhanced artefacts: A literature review of toolkits for children. In Methodologies and Intelligent Systems for Technology Enhanced Learning, 14th International Conference (MIS4TEL 2024) (Lecture Notes in Networks and Systems, Vol. 1171, pp. 243–254). Cham: Springer Nature Switzerland.

5. Khan, M. B. (2024). How can (physical) computing be combined with storytelling and play in pre-school and early-school education? In Proceedings of the 2024 International Conference on Advanced Visual Interfaces (AVI 2024) (pp. 1–2). Arenzano (Genoa), Italy: ACM.

6. Khan, M. B., Mushtaq, M. T., Khan, S., Asjad, M., Ali, J., & Bilal, J. (2019). Modified RLS algorithm for interference cancellation in a MIMO system. In Proceedings of the 2019 International Conference on Innovative Computing (ICIC 2019) (pp. 1–6). Lahore, Pakistan: IEEE.

7. Ali, U., Shaukat, A., Hussain, M., Ali, J., Khan, K., Khan, M. B., & Shah, M. A. (2016). Automatic cancerous tissue classification using discrete wavelet transformation and support vector machine. Journal of Basic and Applied Scientific Research, 6(7), 15–23.

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