

## Education

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- MS, MPhil, and PhD (Computer Science) Columbia University – New York (2007, 2011, and 2012)  
– on *Fulbright Scholarship*
- BS (Computer Science) NUCES – Lahore (2003)

## Experience

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- Assistant Professor – PUCIT, University of the Punjab June 2012 to date
- Software Engineer – Techlogix Pakistan (Pvt) Ltd. Jan 2001 – Dec 2005

## Academic Interests

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- Graph Theory, Combinatorics, Discrete Mathematics

## Teaching in PUCIT

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- *Undergraduate Courses:* Discrete Mathematics, Analysis of Algorithms, Theory of Automata, Linear Algebra.
- *Graduate Courses:* Graph Theory, Advanced Theory of Computation, Combinatorics.

## Research

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- I Jonathan L. Gross, Imran F. Khan and Mehvish I. Poshni, 2010. *Genus distribution of graph amalgamations: Pasting at root vertices.* *Ars Combinatoria*, 94:33–53.
- II Mehvish I. Poshni, Imran F. Khan and Jonathan L. Gross, 2010. *Genus distribution of graphs under edge-amalgamations.* *Ars Mathematica Contemporanea*, 3:69–86.
- III Imran F. Khan, Mehvish I. Poshni, Jonathan L. Gross, 2010. *Genus distribution of graph amalgamations: Pasting when one root has arbitrary degree.* *Ars Mathematica Contemporanea*, 3:121–138.
- IV Mehvish I. Poshni, Imran F. Khan and Jonathan L. Gross, 2012. *Genus distribution of graphs under self-edge-amalgamations.* *Ars Mathematica Contemporanea* 5:127–148.
- V Mehvish I. Poshni, Imran F. Khan and Jonathan L. Gross, 2011. *Genus distribution of 4-regular outerplanar graphs.* *Electronic Journal of Combinatorics* 18, #P212.
- VI Imran F. Khan, Mehvish I. Poshni, Jonathan L. Gross, 2012. *Genus distribution of  $P_3 \square P_n$ .* *Discrete Mathematics*, Volume 312, Issue 19, Pages 2863–2871
- VII Jonathan L. Gross, Imran F. Khan and Mehvish I. Poshni, 2014. *Genus distributions for Iterated Claws.* *Electronic Journal of Combinatorics* 21, #P1.12.
- VIII Mehvish I. Poshni, Imran F. Khan and Jonathan L. Gross, 2014. *Genus distributions of Iterated 3-Wheels and 3-Prisms.* *Ars Mathematica Contemporanea* 7, Pages 423–440.
- IX Jonathan L. Gross, Imran F. Khan, Toufik Mansour and Thomas W. Tucker, 2015. *Calculating Genus Polynomials Via String Operations And Matrices, Part I.* 8th Slovenian Conference on Graph Theory, Slovenia (21-27 June 2015).
- X Jonathan L. Gross, Imran F. Khan, Toufik Mansour and Thomas W. Tucker, 2018. *Calculating Genus Polynomials Via String Operations And Matrices.* *Ars Mathematica Contemporanea* 15, Pages 267–294.
- XI Mehvish I. Poshni, Imran F. Khan, Amna Mirza, 2017. *Alternating Lobsters are Graceful.* (Submitted).