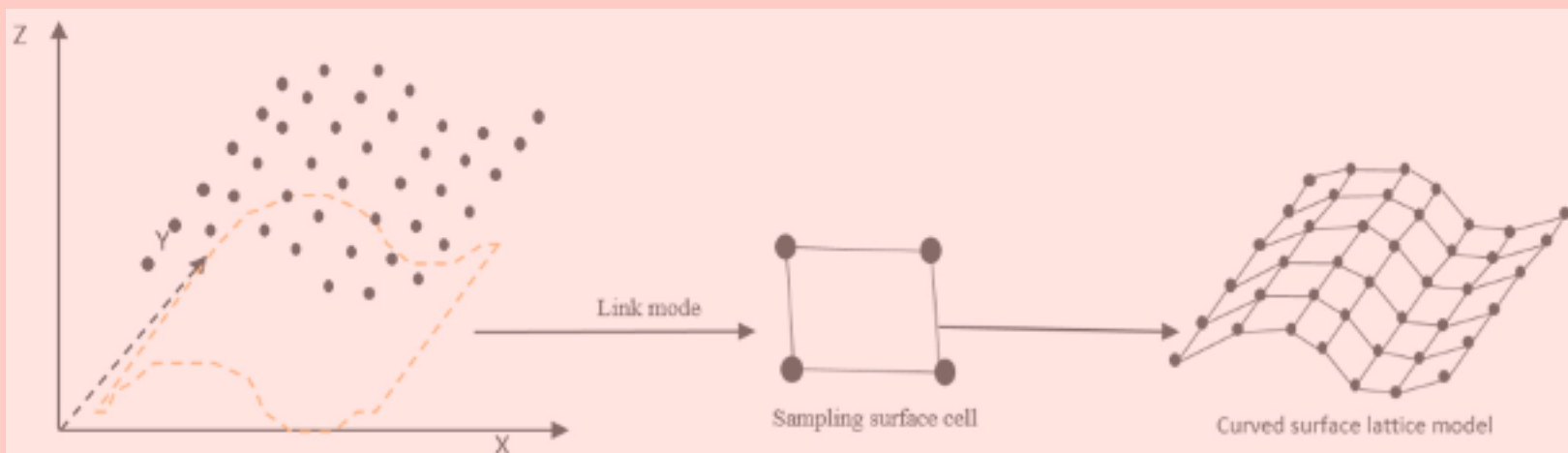# Fuzzy Lattice and Statistical Metric

**Samina Mazhar** (Queen Mary College, Lahore)

**2 May, 14:30-15:30**
**AS-SMS, Lahore.**

In this talk, I will discuss some concepts from lattice theory aiming to introduce [0,1] as a complete bounded lattice possessing an involution but unfortunately failing to follow some desirable Laws. Then, I will relate the above stated lattice as range of the mapping known as "Fuzzy Set". Afterwards, I will introduce some mappings from Statistical Metric Spaces to enrich our theory on fuzzy sets. Lastly, I will attempt to show some marvelous applications of this area.

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