



Department of  
Theoretical Physics

# THE QUANTUM SPACETIME SEMINAR SERIES

## Taming Defects in N=4 Super-Yang-Mills (Zoom Seminar)

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**Date:** July 06, 2020

**Time:** 6:30 PM IST

Zoom link shall be shared  
separately



The four dimensional N=4 super-Yang-Mills theory hosts a rich family of defects that have broad implications for the structure of the theory as a fully-extended CFT.

I will present recently developed non-perturbative approaches to defect observables in the SYM, including supersymmetric localization of defect networks, and bootstrap of integrable boundary states. I will also discuss applications of these methods to specific defect observables and comparisons with standard computations in IIB string theory on  $AdS_5 \times S^5$ .