Introduced over 60 years ago, renormalization (or, renormalization group flow) remains one of the most mysterious phenomena in quantum theory. Traditional methods that we learn from textbooks only provide us with quantitative descriptions of this phenomenon in perturbative regimes, where couplings don’t change much. In this talk I will share some ideas on what may replace Feynman diagrams or conformal perturbation theory in non-perturbative RG flows.

Host: David Poland

Tea will be served after the talk outside the lecture hall