



Institute colloquium

## **Puzzles about trees, high dimensions, election, computation and noise**

**Gil Kalai (The Hebrew University of Jerusalem)**

**Host: Uli Wagner**

In the lecture I will talk about some mathematical puzzles that have preoccupied me over the years, and I will also reveal to young people in the audience some of the secrets of our trade. The first puzzle is about high dimensional trees: what they are and how to count them. The second puzzle deals with high dimensional geometric bodies, and a question of Borsuk. The third puzzle is about errors in counting votes in elections, and the fourth puzzle is: are computationally superior quantum computers feasible?

**Monday, September 3, 2018 04:00pm - 05:00pm**

IST Austria Campus Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the IST Shuttle from and to Heiligenstadt Station. Please find a schedule of the IST Shuttle on our webpage: <https://ist.ac.at/en/campus/how-to-get-here/> The IST Shuttle bus is marked IST Shuttle (#142) and has the Institute Logo printed on the side.