June Huh is mainly known for solving long-standing conjectures in combinatorics and discrete geometry using and extending ideas from algebraic geometry, such as the Heron-Rota-Welsh conjecture for matroids (together with K. Adiprasito and E. Katz), the Dowling-Wilson top-heavy conjecture for projective geometries (together with B. Wang), and the development of the theory of Lorentzian polynomials (together with P. Brändén). His many distinctions include a Clay Research Fellowship, the New Horizons in Mathematics Prize, and the Fields Medal in 2022.

At the Chow lectures he will give an overview of recent developments in the theory of Lorentzian polynomials.

The lectures will be accompanied by talks and exercise sessions lead by Chris Eur, Sofía Garzón, Alheydis Geiger, Shiyue Li and Jacob Matherne, as well as a historical talk by Norbert Schappacher.

This lecture series is named after Wei-Liang Chow (October 1, 1911, Shanghai – August 10, 1995, Baltimore).

Chow was born in Shanghai, had his school education in the United States, and graduated from the University of Chicago in 1931. He obtained his PhD in Leipzig in 1936. Subsequently, Chow was a professor in Nanjing, Princeton and at Johns Hopkins University where he worked until 1977.

The idea behind the Chow lectures is to give students the opportunity to enjoy lectures by internationally renowned experts on active fields of modern mathematics and to create a stimulating research environment.

SCIENTIFIC ORGANIZERS

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OCTOBER 16TH – 18TH, 2023

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FURTHER INFORMATION & REGISTRATION:
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