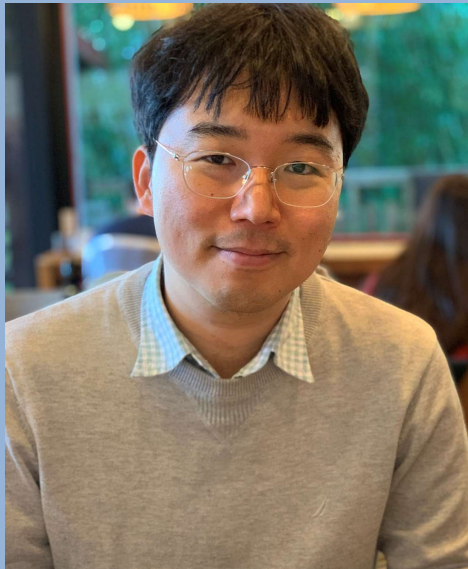


## Mathematical Sciences Colloquium

# Black Holes from String Theory and Holography



Professor

**Jaewon Song**

Department of Physics, KAIST

November 24

16:00 - 17:15

Venue Building 110, Auditorium N103

Host

Prof. Rak-Kyeong Seong

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### Abstract

Black holes are arguably one of the most intriguing objects in the universe. Especially the quantum mechanical aspects of black holes have been elusive for many decades, which holds the key to unifying the quantum theory and Einstein's general theory of relativity. In this talk, I will describe how string theory and the "holographic principle" or "gauge/Gravity duality" provide a quantitative understanding of quantum black holes.