

# APCTP SEMINAR

## Holographic confinement confronts lattice Yang-Mills theory

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**June 17th (Thu.) 16:00 (KST)**

**ZOOM Webinar**

Confinement is one of the most intriguing phenomena that our fundamental quantum field theories exhibit. Due to its non-perturbative nature, it is defying all analytic approaches. At infinite- $N$ , holography offers geometric explanations to features that echo confinement. In this talk I discuss salient details of holographic confinement and aim at making contact with ongoing work on lattice simulations. The key player throughout the talk will be entanglement entropy, connecting the two seemingly different topics: high energy physics and quantum information.

### ■ ZOOM Webinar

- 1) Please register through this ZOOM link  
<https://zoom.us/meeting/register/tJOsdOGrpjlVGNycdDT7tVAYTIoHy8TzPsU9>
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