

# Challenges and Opportunities in Theoretical Particle Physics

Jul 21 - Aug 2 2019  
KAIST

## SPEAKERS

Junmou Chen (Jinan)  
Thomas Flacke (IBS)  
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Junichi Kanzaki (KEK)  
Chris Kelso (North Florida)  
Jeong Han Kim (Kansas)  
Kyoungchul Kong (Kansas)  
Gabriel Lee (Cornell / Korea)  
Hye-Sung Lee (KAIST)  
Ian Lewis (Kansas)

Challenges and Opportunities in Theoretical Particle Physics (CANDO) will be held on July 21 – August 2, 2019 at Korea Advanced Institute of Science and Technology (KAIST). It will be held as a part of KAIX Thematic Fair.

The Standard Model of particle physics is almost completed with the discovery of the Higgs boson, but nature is still full of mysteries. What is dark matter? How do we calculate the non-perturbative aspects of the strong dynamics? Is there a CP violation in the neutrino sector? How can we cure the quadratic divergence that occurs in the quantum correction of the Higgs boson mass?

We will meet to discuss these important issues and to possibly come up with ideas that can make a breakthrough.

*Visit our website for more info*  
<https://indico.cern.ch/e/cando2019>

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