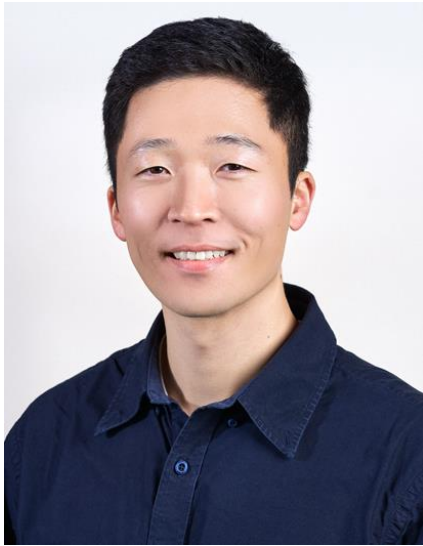


About the Presenter



Yongjin Choi

Bio:

Dr. Yongjin Choi is a Postdoctoral Fellow at the InnoCORE PRISM-AI Center at KAIST and an Affiliated Researcher in the School of Civil and Environmental Engineering at Georgia Institute of Technology. He will join the Department of Civil and Environmental Engineering at the University of Massachusetts Amherst as an Assistant Professor in September 2026. He received his Ph.D. in Civil Engineering from The University of Texas at Austin, with a dissertation on forward and inverse modeling of granular flows using differentiable graph neural network simulators, after earning his B.S. and M.S. from Pusan National University. His research develops physics-aware machine learning and scientific computing methods for geotechnics, with emphasis on AI-accelerated geohazard modeling and inverse analysis, uncertainty quantification, AI-aided automated hazard detection, and differentiable simulations. His work has led to publications in leading geotechnical and computational engineering journals, such as *Computers and Geotechnics*, *Soils and Foundations*, and *Computer-Aided Civil and Infrastructure Engineering*. He has also delivered invited lectures on physics-aware AI for geotechnical modeling and received the Young Scholar Award from the Korean Geotechnical Society.