Colloquium:
Future High Energy Electron Accelerators for Particle Physics

The discovery of a Higgs boson at Europe’s Large Hadron Collider (LHC) in 2012 was a major achievement in particle physics. Experimental efforts are ongoing to confirm that it is the Higgs boson predicted by the Standard Model of elementary particle physics and to probe signs for new physics beyond the Standard Model. More importantly, physicists wish to build new powerful particle colliders to fully study this unusual particle, in order to probe the nature, and to attempt to discover new physics. The colloquium will present initiatives for new, large-scale accelerators that include the International Linear Collider (ILC) in Japan, the Compact Linear Collider (CLIC) in Europe, the Circular Electron Positron Collider (CEPC) in China, and Future Circular Collider (FCC) in Europe, all designed to study the Higgs boson in detail or to go beyond in energy the current LHC for particle physics in the energy frontier.

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4PM ROOM 101 SCIENCE HALL
REFRESHMENTS AT 3:30 IN 1085H