

UNDERGROUND LUNCH & LEARN

Designing Underground Excavations at the Long Baseline Neutrino Facility

The Long Baseline Neutrino Facility (LBNF) is a high-energy physics experiment relating to dark matter and neutrinos. Arup is working on the design of the underground excavations for the detectors, which are located one mile underground at the historic Homestake gold mine in Lead, South Dakota. This presentation will include a history of the mine, an overview of the overall LBNF project, and a description of the design of the new excavations.



February 20th, 12-1 PM
Berthoud Hall 241



Jon Hurt, PE, CEng MICE, is the leader of Arup's Tunnel Practice in the Americas, and the global leader for the Tunnel Skills Network, responsible for

providing resources, training and knowledge sharing within Arup's tunneling community. He is a project manager and tunnel engineer with a wide range of experience in the management, design and construction of major tunneling projects. Jon is currently the Project Manager for the Department of Energy's Long Baseline Neutrino Facility Far Site project. His experience includes underground construction projects on five continents including High Speed 1 in London, New York's Second Avenue Subway and Lake Mead Intake No.3. His other responsibilities at Arup include coordination of the philanthropic program in the Americas and he is a board member at Engineers Without Borders USA. Jon graduated from the University of Cambridge with a degree in Engineering.

