

UNDERGROUND LUNCH & LEARN

URBAN TRANSIT TUNNELING IN INDIA

Mumbai, previously Bombay, is the financial, commercial and entertainment capital of India. Over the past two decades, Mumbai has grown into one of the most important commercial centers across the globe. With the ever-evolving employment and business opportunities, Mumbai has grown into one of the most populous urban regions in the world, just behind Tokyo, Beijing, Karachi and Shanghai.

Metro (subway) tunneling is being planned and implemented in all the metropolitan and cosmopolitan cities of India to decongest the traffic situation and supplement the existing modes of transportation systems. The seminar will discuss the significance and challenges of the first completely underground metro corridor in Mumbai – The Mumbai Metro Line 3 (MML3). MML3, a 21 mile underground metro corridor is proposed to connect the crowded northern suburbs to downtown Mumbai. The layout of the metro alignment under high-rise buildings, heritage structures, flyovers, water bodies and existing railway in the already congested city of Mumbai, makes MML3 one of the most complex transportation projects to be planned and implemented in Asia.

AUGUST 30, 12-1 P.M. BERTHOUD HALL 243



Rajat Gangrade is starting his Ph.D. in underground construction and tunnel engineering and is being advised by Dr. Mike Mooney. Rajat has worked as a Geotechnical Engineer with AECOM on MML-3 and with CH2M in Des Moines, IA (2013-2015). He received his MS degree in Civil Engineering from Virginia Tech. and his B.Tech. in Civil Engineering from V.J.T.I., Mumbai.



This event is held with the assistance of the local student chapter of the Underground

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