

ITACET Tunnel Training Course

Vancouver, May 14 – 15, 2010



First day – Friday May 14, 2010		
Opening	08:00-08:15	
General aspects of tunnel construction and choice of construction method	08:15-09:00	A. Assis, University of Brasilia / ITACET Foundation
Health & Safety during tunnelling construction	09:00-09:45	D. Lamont, ITA WG Animateur
Site characterization for deep tunnels	09:45-10:30	D. Martin, University of Alberta
Break	10:30-11:00	
Tunnel design for deep tunnels in poor rock	11:00-11:45	E. Hoek, Consultant
Effect of drainage around deep tunnels	11:45-12:30	E. Eberhardt, University of British Columbia
Discussion	12:30-12:45	
Lunch	12:45-14:00	
Numerical modelling of deep tunnels	14:00-14:45	J. Carvalho, Golder Associates
Ground reinforcements in conventional tunnelling and face stability	14:45-15:30	G. Anagnostou, ETH Zurich
Break	15:30-16:00	
Ground and tunnel monitoring: lessons learned form case histories	16:00-16:45	F. Amberg, ITACET Foundation / ITA-COSUF Committee
Conventional tunnelling: lessons learned from case histories	16:45-17:30	P. Grasso, ITA Executive Council
Conventional tunnelling: lessons learned from case histories	17:30-18:15	R. Galler, ITA WG Vice Animateur
Discussion	18:15-18:30	

Second day – Saturday May 15, 2010		
Mechanized tunnelling for rock and soil - General aspects and types of machines	08:00-08:45	L. Babendererde & M. Thewes, ITA WG animateur & ITA ExCo Member
Soil conditioning for EPB tunneling and backfilling	08:45-09:30	D. Peila & R. Schulkins, ITACET Foundation & MAPEI SpA
Hard rock TBM technology - Open hard rock & double shield TBM	09:30-10:15	L. Home, Robbins
Break	10:15-10:45	
Mechanized tunneling: lessons learned from large size hard rock TBMs (Gotthard Base Tunnel)	10:45-11:30	H. Ehrbar, ITA WG amimateur
Risk management and contracts in tunnelling design	11:30 -12:15	S. Eskesen & M. Knights, ITA Executive Council
Discussion	12:15:-12:30	
Lunch	12:30-13:45	
Tunnel lining waterproofing	13:45-14:30	W. Aldrian, MEYCO-BASF
Tunnel lining shotcrete	14:30-15:15	E. Cuerel & K. Somapura, Sika
Innovation in conventional tunneling equipments	15:15-16:00	T. Melbye, Normet
Break	16:00-16:15	
Design of segmental lining	16:15-17:00	F. Gruebl, ITACET Committee
Soft ground mechanized tunnelling: lessons learned from EPB case histories	17:00-17:45	W. Trisi, Lovat
Soft ground mechanized tunneling: lessons learned from Large Size TBMs	17:45-18:30	M. Herrenknecht, Herrenknecht
Discussion	18:30-19:00	