

Management of (user) safety in underground railway facilities

5th of September 2018

Palacio de Aguas Corrientes, Buenos Aires, Argentina

Objective: To provide an overview on safety management and operational safety in railway underground facilities

Session 1: Main safety issues – safety principles

09:00-09:15 Opening - introduction

09:15-10:00 Main risks in underground spaces - Lessons learnt from past incidents (R. Leucker)

10:00-10:45 Safety approaches for underground spaces, methods, main principles (P. Reinke)

10:45-11:15 *Coffee Break*

11:15-12:00 Application: safety principles for metro systems, overview of existing regulations, equipment & ventilation (P. Reinke)

12:00-12:45 Application: safety principles in long railway tunnels, overview of existing regulations, equipment & ventilation (R. Leucker)

12:45-13:00 Question & Answers

13:00-14:00 *Lunch*

Session 2: Safety in the operational phase

14:00-14:30 Implementation of safety principles: fire engineering & impact on the structure design, smoke management and evacuation (P. Reinke)

14:30-15:00 Impact on operation of the underground facilities: main actors, safety documentation, crisis preparedness, training and safety exercises (R. Leucker)

15:00-15:30 Future prospects and challenges for the safety of underground facilities (R. Leucker)

15:30-15:45 Question & Answers

15:45-16:15 *Coffee Break*

Session 3: Case studies: examples in Europe, Sao Paolo metro network

16:15-16:45 Illustrations of European urban heavy-rail systems (safety strategies, equipment, train & emergency operation) (P. Reinke)

16:45-17:30 Safety management in the Sao Paolo metro - organization of the operator - key safety challenges - how to maintain a safety level (H. Rocha)

17:30-18:00 Open discussion and closure