

## ISSUE: 07. ROAD TUNNELS IN WINTER CONDITIONS

**SUB-ISSUE:** Road tunnels in winter conditions

**Session:** ( )

**Poster:** 07/02/2014 ( 09:00 - 11:00 h )

**Room:**

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**Presentation title:**

IMPACT OF COLD TUNNEL ENVIRONMENT ON THE PERFORMANCE OF FIRE FIGHTING EQUIPMENTS

**Summary:**

The fire fighting system installed in many tunnels in Northern India does not take into consideration the potential of freeze-ups. The fire protection contractor lacks data on the minimum temperature, maximum wind velocity and the depth of frost line therefore the designed fire protection system is exposed to hazard of freeze-ups. Moreover tunnel operators does not have adequate contingency plans, winterizing inspections, temperature monitoring and proper shutdown procedures which further enhances the hazard of freeze-ups.

