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SEMINÁR ÚI SAV,
ktorý sa bude konať v stredu 11.3. 2020 o 11.00 hod.
v zasadačke č.102, ÚI SAV

Program:

Mgr. Peter Weisenpacher, PhD.

INFLUENCE OF THE GEOMETRY OF EMERGENCY LAY-BYS ON SMOKE STRATIFICATION IN CASE OF FIRE IN BI-DIRECTIONAL TUNNEL

Vplyv geometrie núdzových zálivov na stratifikáciu dymu počas požiaru v obojsmernom cestnom tuneli

Abstrakt:

The main goal of longitudinal ventilation in case of fire in bi-directional road tunnel is to maintain smoke stratification, which is necessary for safe evacuation of people. This study investigates the influence of emergency lay-bys on smoke stratification in a 900 m long road tunnel by computer simulation using a parallel version of Fire Dynamics Simulator. Several scenarios of fire in the tunnel without and with two lay-bys were simulated and compared. The most significant differences between smoke visibilities in both cases are analysed. The calculations were performed on the high performance computer cluster at the Institute of Informatics, Slovak Academy of Sciences in Bratislava (Slovakia).

Tešíme sa na stretnutie s Vami pri šálke kávy alebo čaju.

Ing. Ivana Budinská, PhD.
riaditeľka ÚI SAV