

International Seminar Health & Safety in Underground Space

LNEC Congress Center

www.lnec.pt

October 18th, 2019



LABORATÓRIO NACIONAL
DE ENGENHARIA CIVIL



Comissão Portuguesa
de Túneis



Sociedade Portuguesa
de Geotecnia



H&S

08:15

Secretariat opening

Site registration/proceedings delivery

OPENING SESSION

9:00

09:20

SESSION 1

Chairperson

Discussion leader

- | | | | | |
|-----|-------|-------|---------------------------------------------------------------|--------------------|
| 1.1 | 9:20 | 10:00 | Historical evolution of Health and Safety issues in tunnels | Donald Lamont |
| 1.2 | 10:00 | 10:40 | Design provisions: mitigation measures and control procedures | Ingo Reiff |
| 1.3 | 10:40 | 11:05 | Tunnels Emergency Planning – Methodology and Challenges | Ferreira de Castro |

Coffee Break

SESSION 2

Chairperson

Discussion leader

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|-----|-------|-------|----------------------------------------------------------------------|-------------------------|
| 2.1 | 11:25 | 12:05 | Incidents and accidents. Risk Analysis and ISO 31000 Standard | Jorge Saraiva |
| 2.2 | 12:05 | 12:45 | Ventilation and smoke control systems | Rica Gonçalves (EFLALU) |
| 2.3 | 12:45 | 13:10 | Refurbishment of the smoke control system of a large railway station | François Lappy |

Lunch

SESSION 3

Chairperson

Discussion leader

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|-----|-------|-------|--------------------------------------------------------------------------------------------------------------|------------------------------------|
| 3.1 | 14:30 | 15:10 | Authority standpoint regarding the safety of operating tunnels | Portuguese National Road Authority |
| 3.2 | 15:10 | 15:50 | Tunnels in operation: design provisions for air quality control in tunnels in operation | João Viegas |
| 3.3 | 15:50 | 16:15 | Road Tunnels: Experimental period, assessment of systems and equipment in operation. Operation team training | Dirceu Santos |

Coffee Break

SESSION 4

Chairperson

Discussion leader

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|-----|-------|-------|-------------------------------------------------------------------------|--------------------------|
| 4.1 | 16:35 | 17:15 | Health & Safety in underground works. Technical guide by the GT3 of CPT | Manuel Tender |
| 4.2 | 17:15 | 17:55 | BIM and TWIN in Health & Safety Management in Underground Space | SAI-FUG/ to be indicated |
| 4.3 | 17:55 | 18:20 | Human factors regarding road tunnel safety | Marc Tesson |

CLOSING SESSION

18:20

18:30