



ITA - AITES WORLD TUNNEL CONGRESS 21 - 26 April 2018

Dubai International Convention & Exhibition Centre, UAE

ITA CET PROGRAM



مجتمع المهندسين - الإمارات العربية المتحدة
SOCIETY OF ENGINEERS - UAE



Session 1: Introduction to underground solutions planning

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|-------------|---|
| 08.45-09.00 | Welcome and Opening: ITA and country representatives <i>Prof. T. Celestino</i> |
| 09.00-09.45 | Advantages and disadvantages of underground solutions <i>Prof. T. Celestino</i> |
| 09.45-10.30 | Illustrated examples of solutions and missed opportunities <i>Prof. H. Admiraal & A. Cornaro</i> |
| 10.30-11.00 | Coffee Break |
| 11.00-11.45 | Underground sustainable solutions for urban planning <i>W. Broere</i> |
| 11.45-12.30 | The key stakeholders – organisation and responsibilities <i>M. Neuenschwander</i> |
| 12.30-13.30 | Lunch |

Session 2: Decision process and project management

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|-------------|---|
| 14.00-14.45 | Key planning and design issues <i>F. Amberg</i> |
| 14.45-15.30 | Legal and compensation issues for underground space <i>Prof A. Dix</i> |
| 15.30-16.00 | Coffee Break |
| 16.00-16.45 | Case study 1: Environmental impacts of tunnel construction in urban areas <i>J. Rohde</i> |
| 16.45-17.30 | Case Study 2: Sao Paulo Metro - key elements in the decision process |
| 17.30-18.00 | Discussion |

Session 3: Technical aspects

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| 08.45-09.30 | Preliminary investigations and main parameters <i>P. Grasso</i> |
| 09.30-10.15 | The construction methods and their fields of application <i>Prof. R. Galler</i> |
| 10.15-10.45 | Coffee Break |
| 10.45-11.15 | Case study 3: Launch of a TBM in shallow tunnels <i>K. Imakura</i> |
| 11.15-11.45 | Case study 4: Waterproofing issues: new developments <i>Prof. D. Peila</i> |
| 11.45-12.15 | Case study 5: Short and long term effectiveness of rockbolting <i>G. Volksmann</i> |
| 12.15-12.30 | Discussion |
| 12.30-13.30 | Lunch |

Session 4: Specific underground structures

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|-------------|---|
| 14.00-15.00 | Underground space use for energy storage <i>F. Amberg & Prof R. Galler</i> |
| 15.00-15.45 | Underground utility tunnels for a sustainable city <i>Prof H. Admiraal & A. Cornaro</i> |
| 15.45-16.15 | Coffee Break |
| 16.15-16.45 | Case study 6: Singapore: underground planning and project management <i>Dr. Jeya</i> |
| 16.45-17.15 | Case study 7: Operation and asset management of underground space <i>Dr. R. Leucker</i> |
| 17.15-17.45 | Discussion and closing remarks |

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