



Nigeria
Tunnelling
Association

International Tunnelling
and Underground
SPACE CONFERENCE

**BREAKING
BOUNDARIES,**
Connecting Regions



Endorsed by the International Tunnelling Association and the ITACET Foundation for Education and Training



ASSOCIATION
INTERNATIONALE DES TUNNELS
ET DE L'ESPACE SOUTERRAIN

ITA

AITES

INTERNATIONAL TUNNELLING
AND UNDERGROUND SPACE
ASSOCIATION



"Revving up Africa's market to a \$3.4 Trillion landmark, the African Union pushes for the implementation of a free trade agreement. Concurrently, Nigeria's 4th Tunnelling Conference aims to unlock the continent's underground space use."

The event will be articulated in two days.

The first day is conceived as a Training Session and it is addressed to engineers, urban planners, geologists, and other technical practitioners belonging to owners, designers or contractors' organisations involved in the development of infrastructure projects. It aims to improve the awareness on the main issues of such projects regarding risk management, solutions and opportunities related to the design and implementation of underground works.

The second day is conceived as a strategic ceremony in which Stakeholders, Decision-makers, Political and Technical forces are meeting to address together the challenges of integrating the use of the underground space in different aspects of the strategic development plans for mobility, energy, industrialisation and improvement of the quality of life for the people of Africa.

Wednesday 15th of November 2023

9:00 – 14:00	TRAINING SESSION – Part 1: Main aspects of managing projects underground. (Chaired by Mr Abidemi Agwor)	
9:00 – 9:15	Welcome & Opening Remarks Engr. Abidemi Agwor, Mnse Nigerian Tunnelling Association, President and ITACUS, Steering Board member	
9:15 – 9:30	ITACET Foundation Goodwill Message Mr Michel Deffayet ITACET Foundation, President	On the use of underground space to foster growth and sustainability and on the role played by ITA and ITACET for the sharing of knowledge
9:30 – 10:00	1st Presenter Prof. Daniele Peila Tunnelling, Politecnico di Torino, Italy	Main hazards in tunnelling: specific aspects in conventional and mechanized tunnelling and how to choose the adequate construction method
10:00 – 10:45	2nd Presenter Dr. Elena Chiriotti INCAS Partners, Paris, France Animateur of ITA Working Group 2 (Research)	The risk management concepts applied to tunnel project management of tunnels and underground works
10:45 – 11:15	Coffee Break	
11:15 – 12:00	3rd Presenter Prof. Tarcisio Celestino Rock Mechanics and Underground Works, University of São Paulo, Brazil	From geological investigations to ground characterization: handling and communicating uncertainties (including GIR and GBR)
12:00 – 12:45	4th Presenter Dr. Elena Chiriotti INCAS Partners, Paris, France & ITA WG2 Miss Maud Macary CETU - central technical service of the Ministry of Ecology, Energy, Sustainability and Regional Planning, Lyon, France	Contractual frameworks for projects in the underground space: focus on specific requirements from procurement of services to the delivery of works
12:45 – 13:00	Open discussion	
13:00 – 14:00	Lunch Break	
14:00 – 15:50	TRAINING SESSION – Part 2: Case studies & Round table (chaired by Mr A. Agwor)	
14:00 – 14:30	Case Study n. 1 Mr. Chris Appiah Directorate of Transport, ECOWAS Commission, Nigeria	Abidjan -Lagos Superhighway, Accra Tunnel By-Pass
14:30 – 15:00	Case Study n.2 Engr Imo Ekpo Hon V. President, International Commission on Large Dams Nigeria Tunnelling Association, BOT member	Trans Sahara Pipeline Installation
15:00 – 15:30	Case Study n.3 Engr. Abidemi Agwor, Mnse Nigerian Tunnelling Association, President and ITACUS, Steering Board member	Lagos Harbour Tunnel
15:30 – 16:15	Round Table Chaired by Mr A. Agwor	Project Management and contractual issues related to tunnelling and underground works
16:15 – 16:30	Closing remarks Engr. Abidemi Agwor, Mnse	

Thursday 16th of November 2023

10:30 – 13:30	SESSION 1 – Strategic development & Underground space (chaired by Mr Abidemi Agwor)	
10:30 – 10:45	Welcome & Opening Remarks Engr. Abidemi Agwor, Mnse Nigerian Tunnelling Association, President and ITACUS, Steering Board member	
10:45 – 11:00	ITA Goodwill Message Prof. Arnold Dix ITA, International Tunnelling Association, President	Fostering international collaboration in accelerating the sustainable adoption of the underground space in Nigeria: the ITA role
11:00 – 11:15	Goodwill Message – Chief Host Dr OLUFEMI HAMZAT, Deputy Governor Lagos State	Opportunities for tunnelling and underground space use for the future strategic growth of Lagos
11:15-11:30	Special Guest of Honour Mr David Umahi Minister of Works, Nigeria	Value addition through integration of Tunnelling as an option to achieve an effective intra and intercity road network in Nigeria
11:30 – 11:45	Special Guest of Honour Senator Sa’idu Ahmed Alkali Minister of Transportation, Nigeria	Tunnelling as an efficient and sustainable component for safe transportation options to achieve an effective intra and intercity rail network in Nigeria
11:45- 12:00	Special Guest of Honour Mr. Kwaku Ofori Asiamah Minister of Transportation, Ghana	<i>Topic to be defined</i>
12:00 – 12:15	Royal Father of the Day HRM. Oba Abdulwasiu Omogbolahun Lawal Oniru of Iru land	Goodwill message
12:15 – 12:30	Keynote intervention Mr Lamin Barrow Director General of Nigeria Country Department, AfDB	Opportunities and challenges for the exploration of policy and financial framework development for PIDA - A case for tunnelling and underground space use
12:30 – 12:45	Keynote intervention Mr. Chris Appiah Directorate of Transport, ECOWAS Commission, Nigeria	Strategic and procurement challenges for the delivery of the Abidjan – Lagos superhighway, including the option of the Accra Tunnel By-Pass
12:45 – 13:00	Keynote intervention Engr Imo Ekpo Hon V. President, International Commission on Large Dams Nigeria Tunnelling Association, BOT member	The journey and the strides taken so far for promoting and creating awareness on tunnelling and underground space opportunities
13:00 – 14:00	Lunch Break	
14:00 – 15:30	SESSION 2 – Sister Associations & Panel Sessions (chaired by Mr Abidemi Agwor)	
14:00 – 14:15	Special address Mr Gerhardus J Keyter South African National Committee on Tunnelling	The role of the National Committee on Tunnelling in delivering competences and fostering the use of underground space in South Africa
14:15 – 14:30	Special address Mr Vince Rono Kenya Tunnelling Association	The role of Kenya Tunnelling Association in delivering competences and fostering the use of underground space in Kenya
14:30 – 14:50	Panel Session 1 Awareness & Competence	The challenge of growing strategic awareness and the full set of competencies allowing Africa to develop its underground space for its growth
14:50 – 15:10	Panel Session 2 Bankability & Institutional Frameworks	Policy gaps, financing, and required institutional frameworks for integrating the use of underground space into strategic development plans for Africa
15:10 – 15:25	Awards & Recognition Chaired by Engr. Abidemi Agwor, Mnse	
15:25 – 15:30	Vote of Thanks (Engr Haruna Gimba, Mnse) (Chairman Planning Committee)	