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CMCT



INTERNATIONAL SEMINAR

on

Tunnel Tech: Leading the Way Forward ——Resilience, Smart Technology, Low Carbon and Sustainable Development

Second Announcement

🕒 **DATE:** May 21-23, 2025

📍 **LOCATION:** CQ International Convention & Exhibition Center

Organizers:

World Road Association (PIARC)
China Merchants Chongqing Communications Technology
Research & Design Institute Co., Ltd. (CMCT)

Co-Organizers:

China National Engineering Research Center of Road Tunnel (NERCRTC)
Tunnel Engineering Branch of China Highway and
Transportation Society (TEB of CHTS)
International Tunnelling and Underground Space Association (ITA)

Professional Congress Organizer:

Guangdong Shuangwei Culture Technology Group Co., Ltd.

01 // ABOUT THE SEMINAR

The PIARC International Seminar is a significant event organized by the World Road Association (PIARC), a leading international forum for the exchange of knowledge, policy, and practice on roads and road transport. The PIARC 2025 International Seminar on Tunnel Tech will be held from May 21 to 23 in Chongqing, China.

The theme of Seminar is "**Tunnel Tech: Leading the Way Forward - Resilience, Smart Technology, Low Carbon, and Sustainable Development**", which focuses on the sustainable development of tunnel engineering, the direction of intelligent and digital development of tunnels and underground engineering, and the era of low-carbon environmental protection and intelligent technology. The conference will promote exchanges among international experts, discuss operation and success strategies in tunnel engineering, tunnel safety, tunnel operation and maintenance, share the best practice experiences of different tunnel projects from all over the world, explore and propose innovative solutions to meet the challenges faced today, and establish and strengthen the cooperation among tunneling fields.

We sincerely invite you to participate in the PIARC 2025 International Seminar on Tunnel Tech:Leading the Way Forward.

We look forward to meeting you in Chongqing!

Objectives of the Seminar

- a. Knowledge Exchange: Facilitate dialogue among international experts to share insights and successful strategies in tunnel engineering, tunnel safety, tunnel operation and maintenance.
- b. Best Practices Dissemination: Identify and share best practices tailored to the diverse contexts of participant countries.
- c. Innovative Solutions: Explore and propose innovative solutions to contemporary challenges in tunnel technology.
- d. Network Building: Foster a network of stakeholders to enhance collaboration and partnerships in road tunnel initiatives.
- e. Sustainability Focus: Promote discussions on sustainable practices like green and low-carbon solutions for tunnel construction, operation and management.
- f. Resilience Focus: Promote discussions on hazards to road tunnels and about effective measures which could strengthen the resilience of tunnel assets and tunnel operators.
- g. Recommendations and standardization: Formulate recommendations for future standardizations in the field of tunnels.
- h. Future Readiness: Prepare the tunnel sector for future challenges in tunnel construction, operation and maintenance.



02 // ORGANIZING CHART

About the Organizers

PIARC

PIARC is the World Road Association founded in 1909 as a non-profit and non-political association. It is the first global forum for the exchange of knowledge, policy and practice on roads and road transport.



PIARC has 4 key missions:

- Be a leading international forum for analysis and discussion of the full spectrum of transport issues related to roads and related transport;
- Identify, develop, and disseminate best practice and give better access to international information;
- Consider within its activities the needs of developing countries and countries in transition fully; and
- Design, produce, and promote efficient tools for decision making on matters related to roads and related transport.

PIARC's Technical Committee 4.4

PIARC's Technical Committee 4.4 "Tunnels" (TC4.4) conducts an ongoing activity on all matters relating to the operation of road tunnels: geometry, equipment and maintenance, operation, safety and environment.

In the current PIARC work cycle (2024-2027) TC4.4 addresses the new cross-cutting topic of sustainability by focusing on the operation and maintenance of road tunnels. New aspects regarding reduction of energy consumption and use of renewable energy sources for tunnel operation are the focus of this work. Operating and ensuring the safety of users is a major challenge for owners and operators of road tunnels. The new topic of digitalization of Road Tunnel Design and Management addresses digital approaches which could help operators in their tasks related to safe and efficient infrastructure operation and management.

Further work of TC 4.4 focuses on active modes of transport (pedestrians, cyclists) in road tunnels which are increasing in many cities but also on rural roads. The very fast developments in the area of vehicles powered by New Energy Carriers (NEC) like electric vehicles, hydrogen, etc. will be further investigated based on the successful work already done in the 2020-2023 work cycle.

More information can be accessed at: <https://www.piarc.org/en>

2024-2027 Issues:

- 4.4.1 Sustainability of tunnel operation: new approaches
- 4.4.2 Impact of the development of active modes of transport (walking, cycling, wheelchairs) in road tunnels
- 4.4.3 Digitization of road tunnel design and management
- 4.4.4 Tunnel operation and safety issues related to the usage of new energy carriers (NEC) in road vehicles
- 4.4.5 Update of the Road Tunnel Manual
- 4.4.6 Preparation of the 3rd International Conference on Road Tunnel Operation and Safety
- 4.4.7 Dissemination and possible update of DG-QRAM

INTERNATIONAL SEMINAR

Tunnel Tech: Leading The Way Forward

—Resilience, Smart Technology, Low Carbon and Sustainable Development

CMCT

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China Merchants Chongqing Communications Technology Research & Design Institute Co., Ltd. (CMCT)

was established in 1965 and is a key

player in the transportation and infrastructure sectors. It is recognized as a national high-tech enterprise and innovation leader, with over 700 senior professionals, including academicians and national design experts. CMCT specializes in areas such as mountainous road construction, smart maintenance, vehicle-road collaboration, and inland waterway development. The company also incubates successful high-tech firms like Zhixiang, Wanqiao, Huachi, and China Merchants Road Inspection.

NERCRT



公路隧道国家工程研究中心
National Engineering Research Center of Road Tunnel

The National Engineering Research Center of Road Tunnel (NERCRT) is established by the

National Development and Reform Commission, guided by the Ministry of Transport, managed by China Merchants Group as the competent department, and led by CMCT. It is the only national engineering research center in the field of road tunnels in China. It focuses on research and innovation in road, urban, underwater, and rail transit tunnels, supporting national strategic tasks, promoting the application of related technical achievements, and driving industrial development.

TEB of CHTS



The China Highway and Transportation Society (CHTS) was established in 1978, and it is a national society affiliated with the China Association for Science and Technology (CAST) and receives professional guidance from the Ministry of Transport. The CHTS currently has 14 branches, among which the Tunnel Engineering Branch (TEB) was established in 1991 and is affiliated with CMCT. The

purpose of the branch is, under the leadership of the CHTS, to actively connect with scientific and technical personnel engaged in the field of tunnels and underground engineering. It widely carries out academic activities focusing on technical issues in planning, design, construction, supervision, maintenance, and operational management during the construction process, aiming at improving the technical level of China's road tunnels and promoting technological progress in the industry.

ITA



The International Tunnelling and Underground Space Association (ITA), promote sustainable development of tunnels and underground spaces. It holds consultative status with the United Nations, aligning its strategies with the UN's Sustainable Development Goals (SDGs). ITA focuses on sharing technical knowledge, advocating best practices, and fostering global collaboration among its 80 Member

Nations 300 Affiliate Members, and around 150,000 individuals and corporations internationally. Through specialized working groups, committees, industrial research partners and training platforms, ITA advances innovation, safety, and efficient use of underground infrastructure through knowledge exchange and international advocacy in technical, industrial and commercial fields for the betterment of the world for present and future generations of peoples and planet.

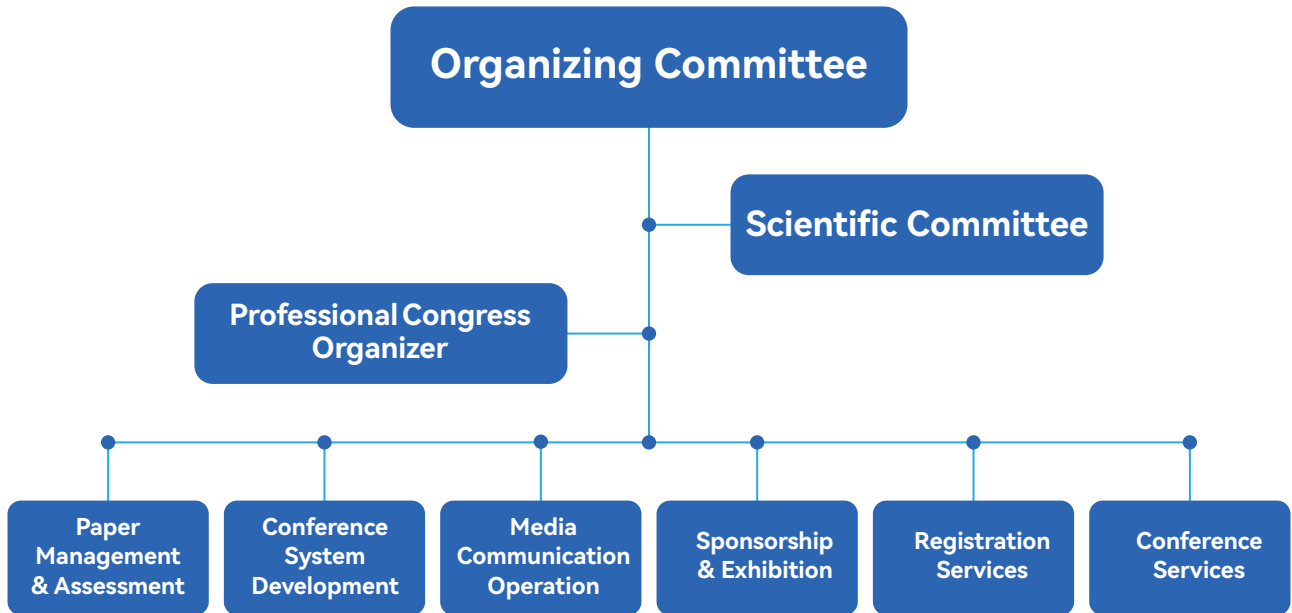
Professional Congress Organizer: SHUANGWEI



视野无界限 VISION OF VAST

Guangdong Shuangwei Culture & Technology Group Co., Ltd (SHUANGWEI) is the Co-organizing and Executing of this conference. With professional experience in the field of tunneling and underground engineering exhibition, efficient organization and rich resources, SHUANGWEI will provide professional and precise preparation and exhibition services to ensure the seminar is carried out smoothly and efficiently.

Organizing Committee



Chair of the Organizing Committee



Rongfeng ZHOU

- Director of Highway Bureau of the Ministry of Transport;
- First Delegate of PIARC in China



Ingo KAUNDINYA

- BASt - Federal Highway Research Institute Head of Tunnel Section
- Chair of Technical Committee 4.4



Hua Zhang

- Secretary of the Party Committee
- Chairman, China Merchants Chongqing Communications Technology Research & Design Institute Co., Ltd. (CMCT)

Chinese President of the General Assembly

Hua Zhang

- ◆ Secretary of the Party Committee
- ◆ Chairman, China Merchants Chongqing Communications Technology Research & Design Institute Co., Ltd. (CMCT)

INTERNATIONAL SEMINAR

Tunnel Tech: Leading The Way Forward

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Secretary General of the Organizing Committee

Mengjun WU

- ◆ Chief Engineer /Deputy General Manager, China Merchants Chongqing Communications Technology Research & Design Institute Co., Ltd. (CMCT)
- ◆ Vice President/Secretary General, China Highway Society Tunneling Branch

Members of the Organizing Committee

Huiyu ZHANG

- ◆ Research Officer of Highway Bureau of the Ministry of Transport

Ji ZHAO

- ◆ Highway Bureau of the Ministry of Transport

Si LIU

- ◆ Highway Bureau of the Ministry of Transport

Jianxun CHEN

- ◆ Vice President, Chang'an University

Hao DING

- ◆ Head of National Engineering Research Center of Road Tunnel, CMCT
- ◆ Member of Technical Committee 4.4

Yao RONG

- ◆ General Manager, Jiangxi Transportation Institute Co., Ltd.
- ◆ Member of Technical Committee 4.4

Jun HUANG

- ◆ Head of Jiangsu Province Underwater Tunnel Green Intelligent, Technology Engineering Research Center, JSTI GROUP
- ◆ Member of Technical Committee 4.4

Hélène MONGEOT

- ◆ French-speaking Secretary of Technical Committee 4.4

Tiago MASSINGUE

- ◆ English-speaking Secretary of Technical Committee 4.4

Rafael LOPEZ GUARGA

- ◆ Spanish-speaking Secretary of Technical Committee 4.4

Bijan KHALEGHI

- ◆ Member of Technical Committee 4.4

Miguel CASO FLOREZ

- ◆ Technical Director of PIARC General Secretary

Rahul GUPTA

- ◆ Member of Technical Committee 4.4

Arnold DIX

- ◆ President of ITA

Eric PREMAT

- ◆ Chairman ITA Committee on Operational Tunnel Safety

INTERNATIONAL SEMINAR

Tunnel Tech: Leading The Way Forward

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Scientific Committee

Chair of the Scientific Committee



Hehua ZHU

Academician of the
Chinese Academy of Engineering



Xiuli DU

Academician of the
Chinese Academy of Engineering

Co-Chair of the Scientific Committee



Yongbin YANG

Academician of the
Chinese Academy of Engineering



Xiangsheng CHEN

Academician of the
Chinese Academy of Engineering



Chuan HE

Academician of the
Chinese Academy of Engineering



Wei ZHOU

Ministry of Transport of China,
former Chief Engineer

Member of the Scientific Committee

International Experts

Europe

Sami LUOMA
Jukka VÄRRI
Corinne CHIODINI
Henric MODIG
Georgios MANTOUDIS
Mario Bruno LANCIANO
Ciro CALIENDO
Bogdan ZAHARIA
Javier BORJA LOPEZ

Ignacio DEL REY LLORENTE
Rafael LOPEZ GUARGA
Juan Manuel SANZ SACRISTAN
Tom OTTEN
Sabine STASSART
Hélène MONGEOT
Éric PREMAT
Frédéric WAYMEL
Niels VAN VELDHUIZEN

Dexter HUNT
Kate HUNT
Christian PEREZ-JIMENEZ
René LIST
Stanisław LOPACINSKI
LukášRÁ KOSNÍK
Ingo KAUNDINYA
Przemysław PADLO

Asia

Panji KRISNA WARDANA
Sazali BIN HARUN
Muhamad AslamBIN TERMIZAN
Chee Keong Ernest POON
Se Lay YEO
Nobuharu ISAGO
Atsushi KUSAKA
Nam-Goo KIM
Jung-Won MOON
Seung-Wan RYU

Rahul GUPTA
Ramshid PADUSHA N.T.
Mamuka PATASHURI
Farhad MEHRYARI LEILAMI
Ali ALMONBHI
Cem COŞAR
Daniyar KOSHIMKHANOV
Nurmukhamed SAPARYMBEK
Asyl ZHANKIN

INTERNATIONAL SEMINAR

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America

Jean HABIMANA
Pierre LONGTIN

José Francisco SUÁREZ FINO
Tyler WELDON



Oceania

Arnold DIX

Evan LO



Africa

Rachid FARHANE
Jawad JOUHARI

Tiago MASSINGUE
Naashif MOWSER

Experts from China (Alphabetical order by last name)

Changquan CAO	Xiaoyong CAO	Weizhong CHEN	Renpeng CHEN	Qing CHEN
Hongbin CHEN	Jiayao CHEN	Jianxun CHEN	Shuwang CHEN	Jian CHEN
Wei CHEN	Zhihui CHEN	Bo CHENG	Xinghua CUI	Shulin DAI
Xianrong DAI	Qihua DENG	Wenqi DING	Zhengquan DING	Hao DING
Zhi DING	Zhengbo DONG	Changdong DU	Mingwai FAN	Zhongqiang FANG
Lei FANG	Qian FANG	Daxi FU	Yanbin FU	Yunfeng GAO
Jun GAO	Wei GAO	Weishe GUO	Changling HAN	Cheng HE
Weiguo HE	Kairong HONG	Ping HU	Xuhui HU	Xuebing HU
Juyi HU	Longhua HU	Mingqi HUANG	Jun HUANG	Jiefang HUANG
Bing HUI	Peng JIA	Shuping JIANG	Xiaoguang JIN	Xiaohua KE
Weimin LI	Tianbin LI	Yuwen LI	Yao LI	Weiping LI
Zhihou LI	Liping LI	Jianjun LI	Xinzhen LI	Yangyi LI
Zhenjiang LI	Haiqing LI	Xiang LI	Yu LI	Bo LIANG
Ganbo LIANG	Caikui LIN	Lihua LIN	Zhi LIN	Guojin LIN
Qing'an LIN	Wei LIU	Jie LIU	Guoqiang LIU	Xuezeng LIU
Hongzhou LIU	Yong LIU	Hao LIU	Jiguo LIU	Changhe LU
Junfu LU	Yanbin LUO	Peng LUO	Bo LYU	Jie MA
Yafeng MENG	Pinqiang MO	Yuwen NIE	Xiangliang NING	Pengzhi PAN
Jianzhong PENG	Feng QIN	Min QUAN	Jian SHEN	Ningqiang SHI
Lingna SHI	Liang SONG	Zhenchuan SUN	Fei TANG	Xuejun TANG
Lianjin TAO	Yi TIAN	Yun TU	Yongfei TUO	Li WAN
Mingfu WAN	Wanping WANG	Fei WANG	Yu WANG	Yonggang WANG
Yaqiong WANG	Xiancong WANG	Liangguo WANG	Mingnian WANG	Xuehai WANG
Hailin WANG	Chaoqun WANG	Chengbin WANG	Hu WEI	Yongke WEI
Lixin WEI	Xinjiang WEI	Yong WEN	Huaina WU	Jian WU
Mengjun WU	Dexing WU	Qiang XIE	Chongbang XU	Jianda XU
Rongqiao XU	Guangqiao XUE	Zihai YAN	Zhiguo YAN	Yu YAN
Wenbo YANG	Weimin YANG	Xiujun YANG	Weibin YANG	Zhanhu YAO
Fei YE	Jianhu YE	Qingfeng YIN	Li YU	Qunli YU
Shun YU	Haitao YU	Guangzhong YU	Yu YU	Kecheng YUAN
Song YUAN	Zhifa ZENG	Juncheng ZENG	Dongming ZHANG	Anrui ZHANG
Dingli ZHANG	Guozhu ZHANG	Xuefu ZHANG	Jianxin ZHANG	Sheng ZHANG
Qi ZHANG	Chao ZHANG	Yuan ZHANG	Wenjun ZHANG	Wen ZHAO
Guang ZHAO	Zongzhi ZHAO	Zhiming ZHONG	Wenhua ZHONG	Wuzhao ZHOU
Zongqing ZHOU	Zili ZHU	Qiyin ZHU	Cunfang ZHU	

03 // CONGRESS THEME & TOPICS

Congress Theme

Under the backdrop of continuous global infrastructure innovation, tunnel engineering, as a critical pillar in transportation and energy sectors, has garnered significant attention for its development and technological advancements. Centered on the theme **‘Leading The Way Forward—Resilience, Smart Technology, Low Carbon and Sustainable Development’**, this conference addresses core demands and cutting-edge directions in the tunnel industry.

Resilience Dimension:

Dedicated to exploring the application of resilience concepts in enhancing operational safety for road tunnels. Addressing potential risks such as natural disasters, traffic loads, facility damage, and environmental changes, the sector leverages advanced automation, informatization, and intelligent technologies to construct and enhance tunnel resilience, improving operational safety and stability.

Low-Carbon Orientation:

Aligned with global "dual carbon" goals, the industry adopts green practices across the entire tunnel engineering chain. This includes deploying low-energy construction equipment, optimizing workflows, implementing energy-saving systems during operations, and exploring renewable energy applications to drive decarbonization.

Smart Technology Layer:

Integrating cutting-edge digital technologies like IoT (Internet of Things) and big data to establish intelligent lifecycle management systems. From design simulation and construction monitoring to smart operational decision-making, this approach enables efficient, precise, and automated management, reducing costs while enhancing safety.

Sustainable Development:

As the overarching objective, this principle emphasizes balanced coordination among economic, social, and environmental factors. While meeting developmental needs, it addresses ecological and societal impacts through ecological restoration, community collaboration, and other initiatives to achieve harmonious coexistence.

By convening global leaders in tunnel engineering, this conference facilitates discussions on key technologies, standards, and industrial strategies. Its mission is to forge consensus, consolidate resources, and provide theoretical, technical, and practical support for sustainable industry progress, empowering tunnel engineering through technology to shape a better future.



Topics

- 1 Green and Low-Carbon**
Including new materials, new energy, green industrial construction, active modes of transport, etc.
- 2 Submerged Floating Tunnel (SFT)**
Including the design and construction technology of SFT, etc.
- 3 International Standardization**
Exchange and share information on the compilation and application of standards in China and other countries, Technical reports on Case Studies.
- 4 Mechanized Tunnel Construction**
Including mechanized construction methods, technologies, equipment, management systems, etc.
- 5 Drill and Blast Tunnel Construction**
Including drilling and blasting construction methods, equipment, applications, etc.
- 6 New Technology of Tunnel Intelligence**
Intelligent technology applications include unmanned patrols, health monitoring, big data management, etc.
- 7 Tunnel Operation Safety Control**
Including improvement of tunnel electromechanical facilities, fire emergency escape measures, safety risk assessment, safety risk management system, etc.
- 8 Tunnel Maintenance**
Including preventive maintenance technology, daily inspection, maintenance management system, maintenance disease treatment, etc.
- 9 Improved Tunnel Resilience**
Including tunnel resilience assessment methods, resilience improvement measures, etc.
- 10 Youth Forum**
Students from colleges and universities at home and abroad give academic reports.

INTERNATIONAL SEMINAR

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04 // PROGRAMME

Time	Monday, 19 May, 2025
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09:00-17:30	Registration / Set up Exhibition
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Time	Tuesday, 20 May, 2025
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09:00-17:30	Registration / Set up Exhibition
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Time	Seminar Day 1: Wednesday, 21 May, 2025
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08:00-09:00	Registration
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09:00-10:00	Opening Ceremony
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10:00-11:00	Keynote Lectures
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10:45-11:30	Coffee & Tea Break / Opening of Exhibition
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11:30-12:30	Round Table
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12:30-14:00	Lunch Break / Visit of Exhibition
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14:00-17:30	Technical Sessions
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Parallel Sessions with a Coffee & Tea Break between 15:30-16:00

Time	Seminar Day 2: Thursday, 22 May, 2025
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09:00-12:30	Technical Sessions
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Parallel Sessions with a Coffee & Tea Break between 10:30-11:00

12:30-14:00	Lunch Break / Visit of Exhibition
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14:00-16:00	Technical Sessions
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16:00-16:30	Coffee & Tea Break / Visit of Exhibition
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16:30-17:30	Closing Session
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Time	Technical Site Visits: Friday, 23 May, 2025
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09:00	Option1: Zengjiayan Bridge Tunnel & CMCT Test Platforms Option2: Yanglushan Tunnel (PS: You can choose one or both)
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PIARC2025 International Seminar

🕒 DATE: May 21-23, 2025

📍 LOCATION: Chongqing, China

CALL FOR ORAL PRESENTATION

📌 Application Requirements

- (1) Applicants should have certain research or practical experience in tunnel engineering and related fields, and be able to discuss and share in-depth on a certain topic.
- (2) The age limit for applicants of the Youth Forum Report is 40 years old and below.

📌 Application contents

- (1) Summary of Reporting Content (about 300 words).
- (2) Oral Presentation topics.
- (3) Basic personal information (name, position, organization name, telephone number, e-mail address, etc.).

For details, please refer to the attached “Application Form”.

Please send the completed application form to yyy7800vv@163.com and mark “PIARC2025 Oral Presentation Application” in the subject of the email.



Scan for form

📌 Application deadline: **April 15, 2025**

📌 Application Notes

- (1) The organizing committee of the congress will review all applications and notify the selected reporters by the end of April 2025.
- (2) The selected presenters will have the opportunity to give live presentations in the Parallel Sessions, of the conference and have in-depth exchanges with leading experts and scholars in the field of tunnel engineering around the world.
- (3) A detailed program and participation guide will be provided, so please pay attention to the follow-up notification.

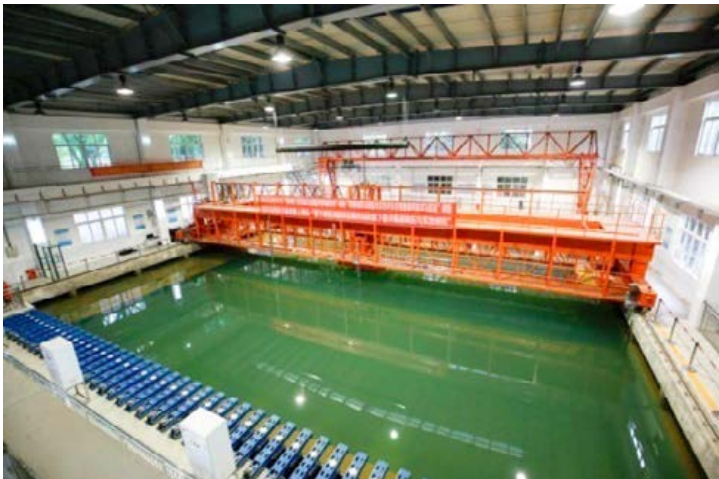
05 // TECHNICAL SITE VISITS

Technical Site Visits

The Zengjiayan Bridge Tunnel Project

The Zengjiayan Bridge Tunnel Project is an important node project in the cross - river transportation system of the main urban area of Chongqing. It adopts the "bridge-tunnel combination" form to cross the Jialing River and the densely built - up areas on both banks. The tunnel passes under 16 existing buildings, with the minimum clear distance being only 3.5m. Micro-seismic blasting and intelligent monitoring technologies are applied to achieve millimeter-level deformation control. It is the first to create a multi-dimensional three-dimensional traffic conversion system of "bridge-tunnel-rail", realizing the efficient guidance of traffic flows in five directions. The BIM+GIS digital twin technology is applied to achieve intelligent management throughout the entire life cycle. An innovative "invisible pylon" design and ecological restoration of the tunnel portal are adopted to maximize the protection of the landscape of the historical and cultural areas on both banks. The project has won the China Construction Engineering Luban Award, marking that the construction technology of bridge-tunnel clusters in complex urban areas has reached the international leading level.

Estimated visiting duration: 1 hour



The CMCT Test Platforms

The CMCT Test Platforms have established 21 research and development platforms at the national and provincial levels, including the National Engineering Research Center of Road Tunnel, the "National-Local Joint Engineering Laboratory for Mountain Road Engineering and Disaster Prevention and Mitigation", the "State Key Laboratory of Bridge Engineering Structure Dynamics", etc., covering all major specialties in highway transportation construction.

Among them, the National Engineering Research Center of Road Tunnel is composed of a multi-functional laboratory for physical tunnels, an underwater tunnel laboratory, a suspension tunnel engineering laboratory, a tunnel structure laboratory, etc. It is the largest and most technically advanced comprehensive test platform for large-scale highway tunnels in China with the most complete engineering coverage. It owns the multi-functional experiment system for traffic tunnel engineering, which is the first of its kind in China, a thermal-mechanical coupling stereoscopic test system for large structures, an underwater tunnel construction technology test system, a 200-meter-long 1:1 physical tunnel test system, a 1:1 physical immersed tube tunnel test system, and a suspension tunnel engineering model test system.

Estimated visiting duration: 2 hours

The Yanglushan Tunnel

Yanglushan Tunnel, as an important part of the Shanghai–Chongqing South Highway, is 6.2 kilometers long and is a very long tunnel. With the help of the first intelligent management and control platform for expressway tunnels in Chongqing, it has achieved all-round intelligent management. This platform integrates six functional systems, namely comprehensive monitoring, equipment management, command and dispatch, data analysis, platform management, and a large data visualization screen. According to the principle of "one tunnel, one pre-plan", it classifies accident types in detail, achieving the visibility, measurability, controllability, and serviceability of the tunnel. The platform has achieved remarkable results since its operation. It has shortened the time for tunnel equipment control and information reporting by 30%, and the time for road obstacle removal and rescue handling by 12%. In 2023, the tunnel put into use a flexible water curtain blocking system. Once an emergency occurs in the tunnel, it can be promptly fed back to the platform and automatically trigger an alarm, enhancing the early warning and handling capabilities for sudden emergencies in the tunnel. At the same time, the tunnel lighting has also achieved intelligent control. It can provide an adaptive brightness environment according to different periods such as daytime, evening, and night, saving 20% more electricity compared to the traditional mode.

Estimated visiting duration: 2 hours



06 // TRANSPORTATION

Chongqing Jiangbei International Airport

Chongqing Jiangbei International Airport (IATA: CKG; ICAO: ZUCK) is an international airport serving Chongqing, Yubei district in China. CKG Airport is located 20 km (12 miles) north of Chongqing city centre.

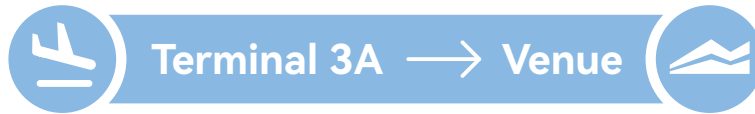
International Arrivals

International flights at Chongqing Jiangbei International Airport mainly land at T3A. For international arrivals, travelers usually exit T3A on Level L1 (Arrivals Level), where the baggage claim area and exits are located.



China SIM Card

If you need to apply for a China SIM card, you can do so at the China Mobile counter on the 1st floor of the international arrivals level of the airport (located on the 1st floor, to the left after international arrivals and departures, next to the foreign currency exchange office). **Opening hours are from 14:00 to 21:00 daily.** (Contact: +86 138-8351-4848)



Taxi

Pick-up point: Located in the Skybridge area on the L2 level of the T3 terminal, with a “Best Shot” sign on the ground, this is a centralized queuing area, also known as the ‘Yellow Ferrari’ pick-up and drop-off point.

Duration: Approximately 30–40 minutes.

Cost: Approximately 50–60 RMB.

Attention: *Taxi drivers may have limited English communication, so it is recommended to prepare the address of your destination in Chinese in advance.*



Online Ride-Hailing (DiDi Rider or Amap)

Pick-up point: Follow the app's instructions to the designated area of the parking lot (usually the P3 parking lot), and it is recommended that you confirm the exact location with the driver in advance.

Duration: Approximately 30–40 minutes.

Cost: Approximately 50–70 RMB.

Attention: *For Apple users/iOS, download DiDi Rider, Amap via the App Store. DiDi Rider support English interface switching, and some drivers have received basic English training for simple communication.*



Subway /CRT

Pick-up point: From the International Arrivals Hall on the L1 level, walk along the signage to the B2 level, where you will reach the entrance to the Line 10 subway station.

Duration: Take Subway LINE 10 (Lanhualu direction) to Chongqing North Station South Square Station and change to Subway LINE 3 and get off at Gongmao Station. About 70–80 minutes.

Cost: 6 RMB

Attention: *For details, please refer to the on-site guidelines of Chongqing Jiangbei Airport or consult the airport service staff.*

INTERNATIONAL SEMINAR

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Chongqing North Railway Station



Chongqing North Railway Station is about 9.6 kilometers away from the venue, which is about 22 minutes by car and costs about 25–30 RMB.

Take Subway **LINE 3** to **Gongmao Station** and walk for about 4 minutes.

The whole journey takes about 30 minutes and costs 3 RMB.

Chongqing Railway Station



Chongqing Railway Station is about 10 kilometers away from the venue, the drive takes about 20 minutes and costs about 25–30 RMB.

Take Subway **LINE 3** to **Gongmao station** and walk for 4 minutes.

The whole journey takes about 30 minutes and costs 3 RMB.

Shapingba Railway Station



Shapingba Railway Station is about 15 kilometers away from the venue, the drive takes about 25 minutes and costs about 35–40 RMB.

Take r Subway **LINE 1** to **Lianglukou Station**, transfer to **LINE 3** to **Gongtao Station**, and walk for 4 minutes.

The whole journey takes about 40 minutes and costs 5 RMB.

Note:

1. Chongqing traffic rush hours (such as 7:00–9:00 am, 17:00–19:00 pm) may lead to longer taxi time, it is recommended to leave early.
2. Chongqing Subway operation time is 06:30–23:00, please check the subway operation time before traveling.
3. The organizing committee will provide information on transportation options from the airport and high-speed rail to the venue. If you need to book a separate transfer, a paid service will be set up for your own booking. Contact Email: service@meet-us.cn



INTERNATIONAL SEMINAR

Tunnel Tech: Leading The Way Forward

— Resilience, Smart Technology, Low Carbon and Sustainable Development

07 // ACCOMMODATION

Make reservation through: <https://www.piarc-seminar-cq.cn/h-col-109.html>

We have selected 5 hotels of different stars for you.

The hotels we recommend are close to the venue. We have sorted out for you the time consumed from each hotel to the venue. You can select your hotel according to your time schedules.

Type	Hotels	Room Type	Fee (EUR) /night (including breakfast)	Hotel address	Distance to CQCEC	Subway station near hotel
★★★★	Radisson Blu Plaza Chongqing	Superior City View King Room	88	22 Nanbin Road, Nan'an District, Chongqing, China	2km	Houbao Subway Station (420m by Walking, about 6 minutes)
		Superior City View Twin beds Room	98			
★★★★	VanYao International Hotel Chongqing	Deluxe Queen Room	70	12 Fu Ren Road, Haitangxi Street, Nan'an District, Chongqing, China	4km	Luojiaba Subway Station (1.2km by Walking, about 18 minutes)
		Deluxe 2-bed Room	62			
★★★	Yifan Hotel	Deluxe Queen Room	56	No. 38 Nanping West Road, Nan'an District, Chongqing, China	2km	Jiaochangkou Subway Station (720m by Walking, about 11 minutes)
		Deluxe 2-bed Room	56			
★★★	Atour X Hotel Chongqing Jiefangbei Walking Street	Superior Double Room	65	No. 66 Jiefang West Road, Yuzhong District, Chongqing, China	3km	Jiaochangkou Subway Station (720m by Walking, about 11 minutes)
		Superior Twin Room	65			
★★★★	Starway Hotel Chongqing Nanping Nanbin Road	Deluxe Queen Room	48	No. 51 Nanbin Road, Nan'an District, Chongqing, China	1km	Houbao Subway Station (910m by Walking, about 13 minutes)
		Business 2-bed Room	48			
★★★	China Merchants International Convention Center <i>*For reservation, please contact Ms. Zhou +86 177-8476-6053</i>	Business Queen Room	40	No. 33, Xuefu Avenue, Wukilometer, Nanan District, Chongqing, China	4.4km	Chongqing Gongshang University Subway Station (Walking distance 408 meters, about 7 minutes)
		Business 2-bed Room	40			

Notes

1. This hotel is primarily designated for the participants and exhibitors of the PIARC 2025 International Seminar on Tunnel Tech: Leading the Way Forward.
2. The hotel reservation link is operated by CONVERGENT, a partner certified by the PCO organization of the conference. After submitting the booking, a booking notification will be sent via SMS or email, including the hotel name, check-in time and order number. Hotel fees are indicative and subject to actual order. Please call **400-011-9650 ext. 3** (Weekday 09:30~18:30) if you have any questions about your assignment.
3. The above hotel rates are early bird rates, only applicable to bookings made before **April 30, 2025**.
4. The venue is the Chongqing international Convention and Exhibition Center (CQCEC), and the nearest subway station to the exhibition hall is the Gongmao Station on Line 3, about a 4 minutes walk.

08 // SIGHTSEEING ROUTES

CHONGQING

Chongqing, the "Mountain City", a centrally-administered municipality in Southwest China, is renowned for its historical significance and cultural heritage. Once the wartime capital from 1937 to 1946, it now stands as a major financial, technological, and industrial center. Chongqing is home to the world's largest electronics and information industry cluster and China's leading automotive industry. Its cuisine, especially hot pot, is famous for its spiciness, earning it the title "Chinese Hot Pot Capital." Strategically, the city is a key player in the Belt and Road Initiative, an essential inland open area, and a pivotal transportation hub with the Port of Chongqing and Chongqing Jiangbei International Airport.

Introduction to Chongqing's specialty attractions:

Three Gorges Museum

Chongqing Three Gorges Museum is the cultural treasure of Chongqing, with rich collections showing the history, culture and nature of the Three Gorges area, it is a good place to understand the humanistic heritage of Chongqing. The tour lasts about 1.5 hour.



Yangtze River Ropeway

The Yangtze River Ropeway is one of the iconic attractions in Chongqing, where you can take a ride overlooking the magnificent scenery on both sides of the Yangtze River and experience Chongqing's unique mode of transportation!

The tour lasts approximately 30 minutes.



WFC Observation Deck

The WFC Observation Deck is located at the top of Raffles City, one of the landmarks in Chongqing. From the observation deck, you can overlook the entire night view of Chongqing, including the confluence of the Yangtze and Jialing Rivers and Jiefangbei Pedestrian Street. The tour lasts about 1 hour.



Chongqing Shancheng Trail

The Hill City Trail is a characteristic walking trail in Chongqing, along which you can enjoy the scenery of the city's hill towns and river views, as well as the local atmosphere of life. The tour lasts about 1 hour.



Hongyadong

Hongyadong is an architectural wonder of Chongqing, built on top of a cliff and lit up with magical colors at night. It is a popular spot for photo stops. The tour lasts about 1-2 hours.



Liberation Monument

Jiefangbei is the landmark of Chongqing, symbolizing the liberation of the city. It is home to a number of shopping centers and food courts, making it the perfect place to experience modern Chongqing. The tour lasts about 2-3 hours.



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Wulong Fairy Mountain Town

Fairy Mountain Town is located in Wulong District of Chongqing Municipality, which is known as the “Fairyland on Earth”. With vast grasslands, dense forests and fresh air, it is a resort for summer vacation and leisure. Visitors can stroll on the grasslands of Fairy Mountain, enjoy the beautiful natural scenery, and experience outdoor activities such as horseback riding and grass-skiing. The tour lasts about 4~5 hours.



Three Natural Bridges

Located in the Wulong District of Chongqing Municipality, the Three Born Bridges is a World Natural Heritage Site, including the Tianlong Bridge, Qinglong Bridge and Black Dragon Bridge, which is the largest group of Born Bridges in Asia. The scenic area also has lush forests, clear streams and spectacular waterfalls, making the natural scenery very beautiful. In addition, it is also the location for the movies “A City Full of Gold” and “Transformers 4”. The tour lasts about 3~4 hours.



Dazu Rock Carvings

Dazu Rock Carvings is a world cultural heritage and a treasure of Chinese grotto art. The scenic area includes “five mountains” of grottoes, including Baodingshan, Beishan, Nanshan, Shimenshan and Shizhuanshan, of which Baodingshan is the most famous, known for its grand scale, exquisite art and rich cultural connotations. The tour lasts about 4~6 hours.

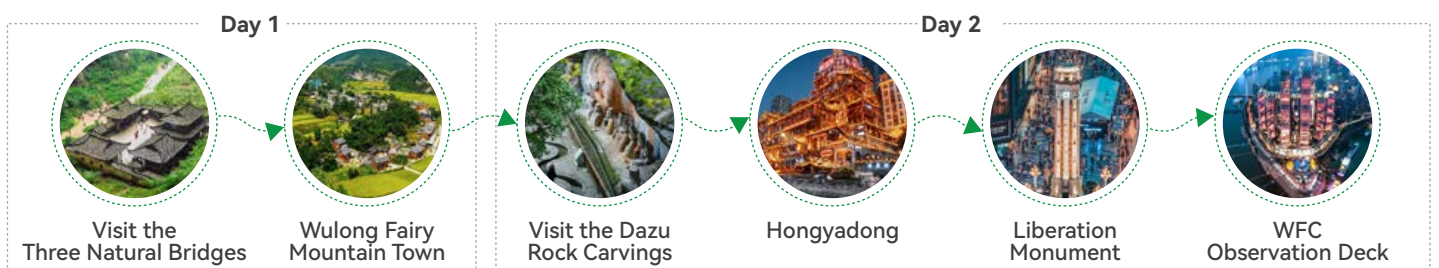


Suggested Route

Route 1 Chongqing City Sightseeing



Route 2 Cultural Landscape Tour and City Sightseeing (Duration: Two day)



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09 // GENERAL INFORMATION



Language

The official language of this Seminar is: English and Chinese. Mandarin and Chongqing Dialect are the languages spoken by the citizens of Chongqing. If you need any help, please consult directly with the professional staff at the hotel and venue. To communicate with the local, it may be more effective to use the translation apps on mobile phone.



Simultaneous Interpretation

Simultaneous interpretation will be provided. Participants should prepare headphones in advance.



Weather

Weather in May is warm and humid. Temperatures range from 19°C to 27°C (66°F to 81°F). Rainfall may happen, making the city lush and green. Flowers in full bloom in parks and garden. Visitors could pack light clothing and a light jacket for the evenings.



Power Supply

The supply voltage in China is 220V/50Hz and sockets are of the 2-hole/ 3-hole flat-head type. If the electronics are 120V, please bring a voltage converter in advance, and some hotels can provide adapters and converters.



Road Traffic System

The road traffic system in China is right-handed, with the driver's seat on the left and vehicles driving on the right side of the road.



Transportation

Taxi and online ride-hailing are also common ways to travel in China, and the most commonly used car-hailing apps are “DiDi” and “Amap”. You can download the above apps from mobile application market and it comes with an English version. Chongqing International Convention and Exhibition Center is close to Gongmao Station of Metro Line 3 and directly connected to Terminal 2 of Jiangbei Airport Metro Station, which is very convenient to take the metro (For more information, please click www.cqmetro.cn/indexEng.html).



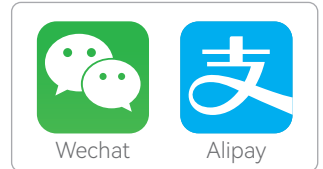
Currency

The official currency is Renminbi (RMB).

Credit cards can be used in most shops and restaurants. In addition, mobile payments like WeChat and Alipay are also available. See Alipay User Guide for details.

Explanation of WeChat and Alipay: Payment Guidance for Wechat & Alipay

In China, WeChat and Alipay have become essential social tools, covering all aspects of daily life, from shopping and dining to transportation. To help international attendees and exhibitors better adapt to China's payment environment, we have prepared a detailed guide on using WeChat Pay and Alipay. The guide includes instructions on registration, linking a bank card, making payments, and more.



Please check the official website for details: www.piacr-seminar-cq.cn/h-col-126.html



Discover Chongqing: A Culinary Adventure

Chongqing, a UNESCO "City of Gastronomy," thrills food lovers with bold flavors and cultural charm. Here's your essential guide to iconic dishes:

Chongqing Hot Pot

Dive into its fiery broth infused with chili and Sichuan peppercorns. Cook fresh meats, veggies, and offal like duck intestine—its numbing spice is legendary!

Xiaomian (Spicy Noodles)

Locals adore these breakfast noodles in 麻辣 (málà) broth or chilled with peanuts. Simple yet addictive.

Street Barbecue (Shaokao)

Skewers of meats, tofu, and veggies sizzle with cumin and chili. Dare to try grilled brain tofu—a local favorite!

Crispy Mahua

Ciqikou's sweet-savory fried dough twists offer a crunchy break from spice.

Wulong Karst Cuisine

Near UNESCO-listed landscapes, savor smoked bacon and rustic tofu reflecting rural traditions.

Beyond food, Chongqing mesmerizes with the viral "train-gobbling" Liziba Station and awe-inspiring Dazu Rock Carvings.

Each bite here blends history and innovation. Whether sharing hot pot with locals or exploring night markets, Chongqing's flavors promise an unforgettable journey.

Come hungry—leave with stories (and maybe a newfound spice tolerance)!



10 // VISA INFORMATION



The following is for reference:

1 Visa-Free Entry (15-30 Days)

Citizens of certain countries can enter China visa-free for up to 30 days between November 30, 2024, and December 31, 2025. Please check the latest policies on the website: bio.visaforchina.cn.

2 Business (M) Visa

If a visa is required for your country, you may need to apply for a Business (M) Visa. We can provide:

- ✧ Official Invitation Letter from the seminar organizers.
- ✧ Conference Itinerary & Event Details (if required).

3 Special Visa Approval

Some nationalities require additional approvals, such as a PU/TE Letter from Chinese authorities. Processing may take several weeks, so we advise applying early.

If you have a Special Visa request, you can send your request to yangzhaoying@cmhk.com.

4 240-Hour (10-Day) Visa-Free Transit

Travelers transiting through China to a third country may stay visa-free for up to 10 days, provided they meet transit requirements.

Travel Preparation >>>

- ▶ **Valid passport** (at least six months' validity)
- ▶ **Completed visa application** (bio.visaforchina.cn)
- ▶ Hotel and flight reservations (we recommend booking in advance. You can also enter our official website to make hotel reservation: www.piarc-seminar-cq.cn).

For the latest visa policies, please check with the **Chinese embassy or consulate in your region**. If you need assistance, just feel free to contact us.

11 // REGISTRATION

Registration Fees

Participant registration is done through the official website (www.piarc-seminar-cq.cn) with payment.

Registration Type	Early Bird Price (EUR)	Standard Price (EUR)	On-Site Price (EUR)
	Before 7th March, 2025	8th March–20th May, 2025	After 20th May, 2025
Full Registration	495	520	550
PIARC Member	440	480	495
Student (under 35)	275	345	385
Paper Author	275	275	275

Note: The registration fee for the members of Tunnel Engineering Branch of China Highway and Transportation Society (TEB of CHTS) shall be implemented with reference to the standard of PIARC Members.

The Registration Fee Includes:

- ※Conference Materials
- ※Round Table
- ※Welcome Dinner
- ※Opening Ceremony
- ※Parallel Sessions
- ※Exhibition Area Visit
- ※Keynote Lectures
- ※Lunch and Coffee
- ※Visit Zengjiayan Bridge Tunnel & CMCT Test Platforms

Other Type	Fee (EUR)	Includes
Accompanying persons	63	Includes Visa invitation letter, accompanied to the dinner, visit the exhibition.
Technical Site Visits	45	Includes Visa Yanglushan Tunnel.

Cancellation Policy

Regarding the participation registration fee:

- ※Cancellation by April 1, 2025 (inclusive) will be refunded by deducting 15% of the total amount.
- ※Cancellation requested on April 30, 2025 (inclusive) will be refunded minus 30% of the total amount.
- ※No refunds will be accepted after April 30, 2025 for reasons other than force majeure.

Note: All participant registrations will be accepted once before the conference to change the participant, and no more participant changes will be accepted after the opening of the conference.

About the exhibition and sponsorship fees:

Once confirmed, the exhibition fee and sponsorship fee cannot be canceled under non-force majeure circumstances. If canceled, the collected fees will not be refunded.

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EXHIBITION AND SPONSORSHIP

Enter the official website (www.piacr-seminar-cq.cn/h-col-104.html), fill out and submit the application. We will reply email or phone within 1-2 days after you submit your application.

Exhibition

Booth Rental	Booth Type	Fee (EUR)	Scale
	Exhibition Booth	4100 / Booth	9m ² (3*3m) /Booth, with 500 watts power supply
	Exhibition Space	350/m ²	Order from 36m ² , open space only without furnishings

Sponsorship

Sponsorship Benefits	Diamond	Platinum	Gold	Silver	Bronze
Company Logo and Name Displayed on the Conference Website and Agenda	1	1	1	1	1
Exhibition Raw Space (≥36m ²)	100	54	36	/	/
Exhibition Standard Booth (3x3m, 9m ² per booth)	/	/	/	2	1
Complimentary Full Registration	15	8	5	2	2
Advertisement on Official Website, WeChat Official Account and Video Channel	1	/	/	/	/
Lanyards and Badges (Exclusive)	Select one from two options	/	/	/	/
Conference Bag with Logo (Exclusive)		/	/	/	/
Conference Bottled Water with Logo (Exclusive)	/	Select one from four options	/	/	/
Conference Pen with Logo (Exclusive)	/		/	/	/
Conference Notepads with Logo (Exclusive)	/		/	/	/
Full-Page Back Cover of Conference Notepads (Exclusive)	/		/	/	/
Giveaways in Conference Bag (Provided by Sponsor)	1	1	/	/	/
Company Leaflets in Conference Bag (Provided by Sponsor)	1	1	/	/	/
Full-Page Advertisement in Brochure	1	1	1	1	1
Conference Entrance Flag with Logo(Single-Sided)	1	1	1	1	1
Company Logo Displayed on the Meeting Room Screen During Breaks	1	1	1	1	1
Company Display Broad at the Conference Entrance (Logo)	1	1	1	1	1
Total (EUR)	34,250	20,550	13,000	8,900	6,200

Explanation

- ※ The number of sponsorship packages is limited and available on a first come, first served basis.
- ※ Sponsors must be legal entities or other organizations registered and validly existing in the People's Republic of China and other countries or regions outside the customs territory.
- ※ All sponsorship and exhibition content is subject to the signed contract received, and we will provide you with the contract documents upon receipt of your reservation.
- ※ After signing the contract, please make payment on time according to the contract requirements.
- ※ Exhibition fees and sponsorship fees, once confirmed, are non-cancellable except in cases of force majeure. In the event of cancellation, the fees already collected will not be refunded.

General Consultation

Website: www.piarc-seminar-cq.cn/
E-mail: info@meet-us.cn

Paper

Paper submitted: www.piarc-seminar-cq.cn/
E-mail: zhouchenyi2@cmhk.com

Exhibition and Sponsorship

Phone: +86 139 0228 7097
E-mail: yqli@meet-us.cn

Media Cooperation

Phone: +86 153 6049 3223
E-mail: worldtunnelling@meet-us.cn

Registration

Phone: +86 159 2042 0215 (Berry)
E-mail: berry@meet-us.cn



Website



Connection



Seminar WeChat group



Seminar QQ group

www.piarc-seminar-cq.cn 