



CHINA HONG KONG RAILWAY INSTITUTION

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中國鐵路大修經驗分享

Railway Track Renewal in China - Experience Sharing

Date: 8th January, 2020

Time: 6:30 pm to 7:30 pm

Venue: Theatre, 2/F, Fo Tan Railway House

Language: This technical talk will be conducted in Putonghua and Cantonese

隨著中國鐵路建設的發展，2019年中國內地鐵路營業里程達13.9萬公里，其中高鐵3.5萬公里。隨著鐵路里程不斷增加，為了保證鐵路運行的安全，鐵路維護方面的工作越來越緊迫和重要。線路大修是根據運輸需要及線路設備損耗規律，週期性地、有計劃地對耗損部分進行更新和修理，恢復和提高設備強度、延長設備使用壽命，增強軌道承載能力。本次既有線大修經驗交流主要從三個方面進行：

- 1、線路大修的目的和工作內容，線路大修能解決什麼問題。
- 2、換砟施工的組織流程。
- 3、內地線路大修施工安全、品質、環保措施及安全應急預案。

With the development of railway construction in the recent decades, Mainland China's operation rail mileage now reaches 139000km, including 35000km of high speed rail by end of 2019. With the rapid increase in rail mileage, to ensure the safety and riding comfort of the railway, track maintenance is becoming more and more pressing and critical. This talk will focus on operation line track renewal in the following 3 key subjects:

1. The purpose and nature of works for track renewal and problems to be resolved.
2. Construction plan, organization and sequence for re-ballasting.
3. Safety, quality and Environmental Control as well as Safety contingency plan for track renewal in Mainland of China.

Speaker

魏勇先生，高級工程師，國內知名的軌道專家，現任中國鐵建下屬公司副總經理。1993年參加工作，有26年既有線施工的经验，完成正線鋪軌施工超過3000公里，組織完成廣州江村鐵路鐵路樞紐、廣州鐵路樞紐、平湖南鐵路樞紐、婁底鐵路樞紐、南寧鐵路樞紐等華南地區標誌性的五大鐵路樞紐改造施工，共組織大型封鎖施工2058次，累計6168小時，無晚點記錄，具有豐富的既有線施工經驗。所在公司鋪軌能力達到同行先進水平，並不斷創造和刷新鋪軌的速度記錄：在贛龍鐵路，創下了單機日焊軌10公里、線路放散鎖定4.5公里的紀錄；在厦深鐵路，又創下了日鋪長軌13公里的國內有砟軌道鋪設新紀錄。

Mr. Wei Yong, Senior Engineer, P-way Expert, is now the deputy general manager of a subsidiary of China Railway Construction Corporation Limited (in short "CRCC"). He started his career in the railway industry in 1993, with 26 years' operation line construction experience. He has completed over 3000km track laying works and organized the reconstruction of top 5 railway hubs in South China, i.e. Guangzhou Jiangcun Railway Hub, Guangzhou Railway Hub, Shenzhen Pinghu Hub, Loudi Hub and Nanning Hub. There was no delay record for over 2058 possessions, with an accumulated 6168 working hours. He has also achieved many new records and broken the records for track laying in Mainland China. For example in the construction of Gangzhou-Longyan Rail in South China, he achieved 10km track weld record by one welder and 4.5km destressing/locking in one day. In construction of Xiamen-Shenzhen Rail in Guangdong Province, he broke the ballast track laying record in Mainland China and achieved 13km of track laying in one day.

Registration

For registration, each participant has to confirm to CHKRI his/her name, employer and contact telephone number by filling the online form on or before **6th January 2020 (Monday)**. Certificate of Attendance will be issued to paid-up members ONLY.

<https://forms.gle/mBKLMJSnqHz1jB99>

Alex Lo
Secretary, CHKRI