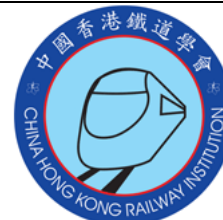


CHKRI Bulletin

Autumn 2013

<http://chkri.hk>



Chairman's message

Dear Fellow Members,

As I mentioned in my previous message in the Summer 2013 Bulletin, the Institution will be hosting the BRA/GRA/SRA/CHKRI Joint Seminar together with our 15th Anniversary Dinner to be held in Hong Kong on 6 - 7 December 2013. We have issued the formal invitation to the 3 Mainland Associations and will be expecting over 30 mainland delegates to attend this flagship event. Local representatives who would like to present their papers at the Seminar are also welcome and the notice to invite submissions will be issued shortly. Please mark your diary and approach any of our Committee Members if you have interest in learning more about this.

The past few months have also been an eventful period as a number of visits and technical talks were held successfully with positive feedbacks from participants. Your active enrolment in these events is the best motivation to the Committee for organizing more interesting topics in future. You can read more about them in the latter part of this Bulletin.

With the support and close working relationship with our mainland counterparts, we are looking forward to more opportunities for either technical or social exchanges amongst the railway professionals from both sides of the border. I hope all of you will capitalize on this unprecedented intensity of railway development in both arenas to reap the best benefit for yourself and the society.

Ir LEUNG Sze Kwan
Chairman, CHKRI

Technical Talk : MTR Operations Control Centre Migration

On 29 July, Mr Ronnie Tong delivered a technical talk on the MTR Operations Control Centre integration project. The presentation covered the design process, facilities and manpower planning as well as the upgrading works with photos illustrating the site constraints and how the team overcame the difficulties. The integration was completed successfully without impact to passengers and normal train service.



Ir SK Leung, CHKRI Chairman presents a souvenir to Ronnie Tong, MTR Operations Manager – Operations Network Control

Site visit : Honghai Rail Welding Depot and Shenzhen Metro Longgang Line

On 20 July, 26 CHKRI members were given a unique opportunity to visit the Guangdong Railway Group Honghai Rail Welding Depot and the Shenzhen Metro Longgang Line (Shenzhen Line 3). The Guangdong Railway Society, led by Secretary General Chan and Foreign Affairs Manager Ren, received the CHKRI delegation at Honghai Rail Welding Depot.

Production commenced in 2008 and the facility has two lines with the capacity to weld 100m rails into maximum 500m long rail strings by electric flash butt welding process. The rail strings are transported on long rail wagons to mainline sites. The depot has an output of 5km of long rails per day and is the only depot that supplies long rails to High Speed Rail Projects in southern China.

The Longgang Line connects the city centre to north-eastern part of Shenzhen and has a route length of 42km with 31 stations. The underground section is in the southern city area and the northern 22km section is on viaduct. The line uses a third rail power system to minimize the visual impact. The depot consists of two levels with the ground level utilized for stabling of trains and the upper level for maintenance. Rental housing is being constructed above the depot podium. At present, the line carries about 500,000 passengers per day.



Honghai Rail Welding Depot



Shenzhen Metro Longgang Line Depot

Technical Talk : New Railways to Sustain Hong Kong's Momentum

On 19 August Ir Albert Yuen, Planning Manager and Ir Veronica Choi, Design Management Engineer (Civil) of MTR Corporation shared with the participants the likely opportunities arising from the potential new railway lines identified under the Government's Update and Review of



the Second Railway Development Study (www.ourfuturerailway.hk) which has already undergone two stages of public consultation since last year.

The presentation also touched upon some memories of rail development in Hong Kong, with focus on the strategic implications of the rail infrastructure to facilitate long term economic growth.



Ir Albert Yuen, Planning Manager & Ir Veronica Choi, Design Management Engineer (Civil)

14th Senior Railway Engineering and Management Course

From 26-29 September, 18 Hong Kong delegates attended the 14th Senior Railway Engineering and Management Course in Changsha and Zhuzhou which was organized by the Guangdong Railway Society and supported by CHKRI.

The course included a variety of lecture topics covering human factors, metro train procurement and the latest developments in the high speed rail and aerospace industries in mainland China.

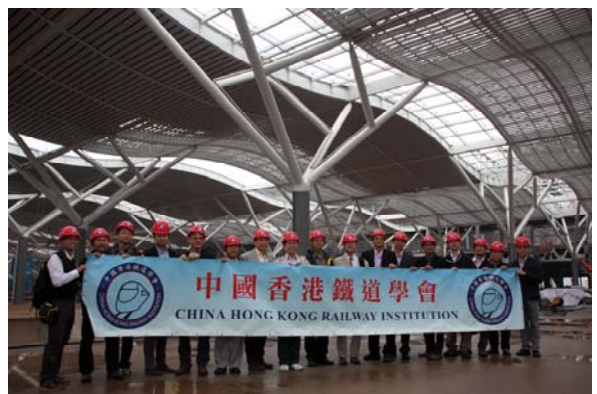
Very interesting site visits were made to the High Speed Rail Testing Laboratory in Central South University, Changsha South Station re-modelling works construction site and the low-speed Maglev Testing Track in CSR Zhuzhou.

The delegates were granted VIP status by taking a ride on Maglev train on the test track in CSR Zhuzhou factory.

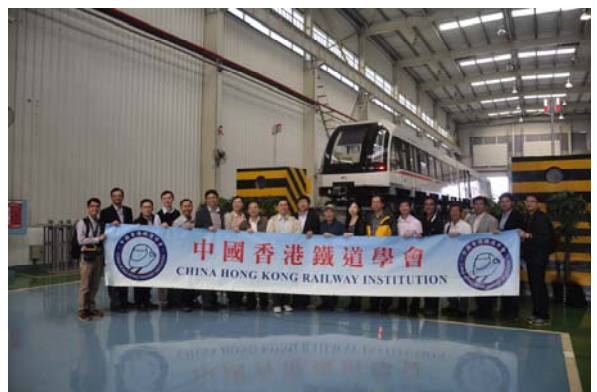
The first Low-speed Maglev Line is scheduled to open in Jiuzhaigou, Sichuan in 2014.



14th Senior Railway Engineering and Management Course



Changsha South Station remodelling works



CSR Zhuzhou factory

Technical Talk : Rail Damper Latest Development - Reduction of Noise Radiation and Corrugation Growth

On 30 September our talk was co-organised with the Hong Kong Institute of Acoustics. Wilson Ho introduced a new type of rail damper (Shearing Tuned Mass Rail Damper) has been invented and tested in Hong Kong. The damper is able to reduce both vertical and lateral rail vibrations by single oscillation mass, such characteristic makes the damper provide exceptional high damping to rail vibration, and suppresses corrugation growth & noise radiation.



Anthony Tong, CHKRI Secretary presents a souvenir to Wilson Ho

Diary Dates

<http://chkri.hk/event.html>

22- 25 October – High Speed Rail Operations & Maintenance Training and Joint Seminar (Beijing)

11 November – Technical talk on rolling stock developments by Bombardier

6-7 December : CHKRI 15th Anniversary Celebration including the Joint Seminar & Tram trip

Membership Fees

Just a reminder to a few Members that your 2013 Membership Fees are still outstanding!

Please send your cheque to the Treasurer or contact any CHKRI Committee Member,

For details visit our website : <http://www.chkri.hk/notice.html>