

This newsletter is published quarterly by the Chartered Institution of Highways & Transportation - Qatar Group.

To subscribe to our newsletter, receive notifications of CPD seminars, join as a member or to give us feedback....

Contact us via the following channels:



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www.ciht.org.uk/Qatar



@CIHTQatar



CIHT Qatar Group

Welcome

Dear CIHT Qatar members,

In this fourth issue of the newsletter, you will find information of the **events** and **site visit** we held in the last few months, our current CIHT Qatar Group News and **membership information**, news from the **Qatar region** and an insight into how sponsoring CIHT Qatar Group benefits our **sponsor** companies and staff. We would like to thank all those who support us either through sponsorship, membership or through knowledge sharing.

Upcoming Events

END OF YEAR CELEBRATION DINNER

Our **first ever End of Year Celebration dinner event** will be held on **Wednesday 4 December 2019** (7pm-11pm) at the City Centre Rotana Hotel, in West Bay, Doha.

Enjoy Key Note Speakers, Award Presentations, Buffet Dinner, a Raffle Draw and a Transport quiz. This event is a chance to network and a celebration of the very best of transportation in Qatar.

CIHT Group News & Membership Information

CIHT Qatar Group organizes **technical, membership and social events** to maintain and enrich the **working knowledge** of highways and transportation professionals in **Qatar**.

The CIHT Qatar Group consists of **15 Committee Members** who are all volunteers that meet once a month to discuss the Group's ongoing progress and to plan future events. Profiles of the committee members can be viewed on our Regional Web Page: <https://www.ciht.org.uk/about-us/international-groups/qatar/whos-who>

Chair.....Veronica Yu
Secretary.....Paul Storey
Treasurer.....Pedro Alves
Events Coordinator Khalil Khan
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& Newsletter EditorPoly Papapanagiotou
Special Event Coordinator..... Paul Marmion
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Press Officer.....B. M. Kamal Hossain
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Membership Development Officer.....Arshad Khan
Asst. Membership Development Officer.Melani Mistry
Sponsorship CoordinatorPejman Dehdezi
Honouree Member.....Paul Fenton
Honouree Member.....Hydar Alrukabi
Committee Member.....Kanagaraj Muthiah

Whether you are just starting your **career in Highways & Transportation** or are an **experienced professional**, CIHT can **help to support your professional development needs**, by offering access to professional qualifications which recognize your knowledge and practical experience and improve your chances of progression in your chosen career.

Already a Member? Introduce your colleagues to CIHT!

Why become professionally qualified?

- ✓ National and international recognition as a professional
- ✓ Greater influence within your organisation and industry
- ✓ Assists career progression
- ✓ Recognition of your knowledge and expertise by colleagues and clients
- ✓ Evidence of your commitment to professional standards

What can CIHT offer?

Routes to:

- ✓ Chartered Engineer (Ceng)
- ✓ Incorporated Engineer (Ieng)
- ✓ Engineering Technician (Eng Tech)
- ✓ Transport Planning Prof. (TTP)
- ✓ Road Safety Auditing Certificate of Competency (CoC)

Not sure what Engineering Qualification is right for you?

- Go to CIHT Website at <https://www.ciht.org.uk/professional-development/get-qualified/>
- Complete your **Initial Assessment Form** online, so that CIHT can confirm the options and best route available to you.
- Make sure to include required documents (**CV, Copies of Academic Certificates, Details related to the qualifications you hold**)

Don't miss out on opportunities – become a member today!

Did you know that....

The 'Qatar Information Technology and Communication Conference and Exhibition' (QITCOM 2019), organised by the Ministry of Transport and Communications (MOTC), was held between 29 October- 1 November at the Qatar National Convention Centre. The event was inaugurated by the Amir H H Sheikh Tamim bin Hamad Al Thani, with the theme 'Safe, Smart Cities'.

Qatar's public transport sector reached another key milestone on 21st November with Qatar Rail launching the Doha Metro Gold Line passenger service. Running between Ras Bu Abboud to Al Aziziyah, the Gold Line covers 11 stations. Customers can now travel between the Gold and Red Lines changing at Msheireb station. New metrolink routes will be added serving the Gold Line stations.

The Public Works Authority 'Ashghal', participated with 60 students from Qatar International School to plant 60 trees at Legtaifiya Street Development Project as a continuation of "Qatar Beautification and Our Kids Planting Trees" Campaign that is launched recently by the Supervisory Committee of Beautification of Roads and Public Places in Qatar.

Hamad Port, Qatar's gateway to world trade, has added a new achievement by setting a new Guinness World Records title as 'the deepest artificial basin ever made on Earth'. Hamad Port is a megaproject that will represent a paradigm shift in Qatar's economic diversification and competitiveness in line with the goals of the Qatar National Vision 2030.

Qatar is getting ready for the football tournaments coming our way. The 24th Arabian Gulf Cup is taking place between 26 November to 8 December 2019 at Khalifa Stadium, and the FIFA Club World Cup is taking place between 11 - 21 December at Khalifa International Stadium, Education City Stadium and Jassim Bin Hamad Stadium. Check out the transport arrangements before travelling to the stadiums to support your favourite team.

Public bus ridership has risen by 40% from 2015 to the end of 2018. This is attributed to significant enhancement works carried out by the MOTC to boost the performance efficiency of the public bus service and increase ridership, in coordination with Mowasalat "Karwa".

Qatar Regional News

Opening of the First Flyover Bridge at Sabah Al Ahmad Corridor

The Public Works Authority 'Ashghal' opened the **first 820 meter flyover bridge** at Umm Lekhba (Landmark) Interchange as part of Sabah Al Ahmad Corridor project on 2 November 2019, providing **free flow traffic from Al Gharrafa towards Doha and a parallel route to 22 February Street**. The bridge would accommodate around **1,500 vehicles per hour**.

The bridge consists of a unidirectional lane from Al Gharrafa to Doha and an emergency lane, with a total width of about 9 meters, and a height of 24 meters **located on the fourth level of Umm Lekhba Interchange**.

The new interchange is the **largest interchange in Qatar** with a length of **11 kilometers**. It consists of 4 levels and is the first in Qatar and contains **9 bridges** that provide **free traffic flow in all directions**. The interchange is the **second highest interchange in Qatar after the interchange of Umm Bishr on the G-Ring Road** where it is located at an altitude of 35 meters while the height of the highest bridge reaches 36 meters.

Reference: <http://www.ashghal.gov.qa/en/MediaHub/News/Pages/Ashghal-Opens-Saturday-First-Flyover-Bridge-at-Umm-Lekhba.aspx#.XdF5TVS9PY>



Opening of the first underpass at Mesaimeer Interchange with a length of 220 m

The Public Works Authority Ashghal opened a **new underpass at the Mesaimeer Interchange** on 2 November 2019 with a length of **220 meters** to provide a **free exit for the E-Ring Road towards Rawdat Al Khail Street, 6 months ahead of the planned date**. The new underpass is the first of nine underpasses that make up the **vital intersection, with a capacity of 1,500 vehicles per hour**. The **3-level Mesaimeer Interchange is the first of its kind in Qatar**, because it contains **9 underpasses** providing free flow traffic.

The project comprised 6.1km length of construction works, with three to four lanes in each direction to accommodate approx. **20,000 vehicles per hour in both directions**. The newly constructed Mesaimeer Interchange integrates with **Sabah Al Ahmad Corridor** as an important/vital crossroad in the country. This interchange is designed in a distinctive pentagonal shape where it connects five main roads in Doha.

Reference: <http://www.ashghal.gov.qa/en/MediaHub/News/Pages/Opening-of-the-first-underpass-at-Mesaimeer-Interchange-with-a-length-of-220-m.aspx#.Xd5Si23froo>



In case you missed it...

September 18, 2019 Technical Seminar - Parking policy, management and application

Prof. Panagiotis Papaioannou, Transportation Consultant, and Eng. George Lymberopoulos, Transportation and Traffic Engineer, SALFO Qatar, were the guest speakers at the September technical event organized by CIHT Qatar.

In the first session, Prof. Panagiotis described various key factors required for proper planning, design and management of parking at national, regional and municipal level, such as population, age, gender, population density, income, household size, economy, land use, and accessibility. Prof. Panagiotis' recommendation for Qatar is to integrate all transport systems, reduce car use to minimize traffic congestion, save the environment and maximize private public partnership opportunities. In the second session, Eng. George Lymberopoulos described some of challenges in Qatar where one of the main aspects is the hot summer season and focused on sustainable parking system where both short and long term continuous Parking Evaluation and Monitoring Systems (PEMS) is considered to be vital. At the end of the presentation, Prof. Panagiotis showcased a systematic method of parking generation and parking supply calculation developed by the SALFO team, emphasizing on appropriate parking characteristics survey. Qatar is one of the countries with a high vehicle-to-population ratio. A smart parking system would therefore be very effective especially in the city center area, which can be managed and invested not only by the government but also by private entities.



October 15, 2019 Technical Seminar – Is Road Safety in Qatar Getting Better or Worse?

Dr. Rafael Consunji is the Director of the Hamad Injury Prevention Program and a Consultant of Trauma and Critical Care Surgery at the Hamad Trauma Center, Hamad Medical Corporation in Doha, Qatar. He was the guest speaker at the October seminar where he provided an interactive session for the highways and transportation professionals.

Dr. Consunji first gave an introduction by outlining the facilities available at Hamad General Hospital Trauma Center. He then explained that in Qatar, road traffic injuries are a major cause of death (>10-14% of all deaths, the second highest in the world) and around 51% of all injury admissions to the Hamad Trauma Center, about 1,000 per year.

The UN Decade of Action for Road Safety [DoARS], which aims for a 50% reduction in road deaths by 2020, utilizes the internationally recognized five-pillar matrix of the Safe System approach that includes: road safety management, safer roads, safer vehicles, safer road users and post-crash response. Based on an analysis of local data, Qatar achieves four out of the five pillars, except for safer vehicles, to a satisfactory level. Implementing recommendations for safer vehicles will go a great way to ensuring that Qatar meets the objectives of DoARS by 2020.

Dr. Consunji closed the session by sharing the findings that a 43% reduction in road death rates was recorded between the year 2011 and 2016 in Qatar, despite the 56% increase in the population. Statistically it is shown that road safety is better in Qatar.



November 19, 2019 Technical Seminar – Data, automation and work-force skills: an agenda for tomorrow's transport

Suzanna Zammataro, Director General of the International Road Federation (IRF) in Geneva, Switzerland was the guest speaker at the November technical event organized by CIHT Qatar.



Susanna Zammataro, the Director General of the International Road Federation (IRF), Geneva, Switzerland and a member of the Advisory Board of the High Level Panel on Road Safety of the Fédération Internationale de l'Automobile (FIA), was the guest speaker who provided her overview on autonomous vehicles (AV) development around the world and its future.

Susanna introduced the session by stating that the world is currently in the intermediate stage en route to driverless cars. Research on AV in Europe is in a more advanced stage than the rest of the world, where Europe has taken on several initiatives in undertaking pilot projects. Netherlands is the pioneer among all European countries.

Susanna discussed the challenges that she sees in the AV industry at the moment. The issue on "who would be responsible due to negligence or any accident or any technical failure of autonomous cars?" still needs to be resolved. Integration of the system within the whole autonomous mobility ecosystem system and infrastructure, and the effects of automation on the transport labour force, future working conditions and skills requirements are the other main challenges.

It was pointed out in the presentation that proper space and infrastructure use in urban area, development of supporting facilities and preparation of work forces are the key factors to move AV forward. Susanna concluded the presentation with recommendations including the need to consider infrastructure and sustainability within autonomous mobility, and that more research and innovation are required on areas such as policy, processes and new business models.

October 26, 2019 Site visit – Sabah Al Ahmad Corridor, Longest Bridge

ASHGHAL welcomed 18 members of the CIHT Qatar Group to visit the Public Works Authority project which is part of the “Sabah Al Ahmad Corridor”, currently one of the most valuable infrastructure projects under construction in Qatar. Parsons International Limited (PIL) the supervision Consultant and Hyundai Engineering and Construction (HDEC), the Contractor of the project, provided their valuable help on this site visit. The main designers of the project were WSP and PIL.

A **brief description** of the project was given by project site team Eng. Pilbong Gwak, Structures Design Manager of HDEC and Eng. Osh Ganguli, Design Manager of PIL; Eng. Chris Head, Resident Engineer Structures of PIL; Eng. Park Chang, Engineering Manager of HDEC; Renator Dinglasan, HSE Manager of HDEC. This was followed by an **extensive site visit** where the attendees had an opportunity to observe **complex construction works** that were completed and/or were still being constructed. The scope of the project includes the **upgrade** of the existing street for approximately **3.1 km, including a 4-lane to 8-lane elevated highway, 3 interchanges, 6 ramps, 2+2 level flyovers, service roads running parallel to the mainline bridge, and pedestrian/cyclist paths.** The project will be home to the **longest flyover in the country, at 2.6km in length.**



For all **upcoming events** and news, follow us on **Twitter, LinkedIn** or join our **email mailing list**.
Remember that all CIHT professional events can qualify towards your **CPD**.
If you have an **interesting topic** that you would like to present, let us know at: ciht.qatar@gmail.com

Our Sponsors

At CIHT Qatar, we are **grateful for our sponsors’** support and generosity to enable us to **organize Continued Professional Development sessions** for the highways and transportation professionals in Qatar. Thank you all for your continuous support!

In our last newsletter, we featured some of our sponsors on **their view on how sponsoring CIHT Qatar benefits their company and staff.** Here are the views from DCE and Salfo.



Duffy Consulting Engineers have been privileged to carry out road safety audits over the last 10 years in Qatar on what must be the largest rollout of massive Expressway projects seen anywhere in the world, in such a short period of time. We have been similarly privileged to audit a large percentage of the extensive local roads and drainage projects. We have been auditing at concept, preliminary and detailed design as well as pre-opening of the permanent works. In addition, we have audited a substantial amount of temporary traffic management at design and operation stages.

DCE also value the role played by professional bodies such as CIHT in the continuing professional development of engineers. We feel both duty-bound and honoured to participate in the sponsorship of CIHT in Qatar. We hope that our relationship with CIHT, which is well established, will continue for a long time to come.



SALFO is a proud sponsor of CIHT Qatar, as through the sponsorship, supports CIHT to its continuous effort to provide development and skills improvement opportunities to professionals in Qatar, through technical events, site visits and CPD accreditation. The presentation at a recent CIHT event to Qatar professionals was a great opportunity to share knowledge and promote our presence in the Middle East Market.

Since the first year of our establishment, clients from the public and private sector have shown their preference and relied upon us to be their partner in numerous complex and pioneering infrastructure projects, in both Greek and International Markets. In the framework of a highly competitive, demanding and constantly changing international business environment, the company strives to provide its clients specialized services that cover the whole spectrum of engineering and management consultancy.

The Qatar Group is sponsored by the following organizations



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