



Programme

# 82<sup>nd</sup> IEC General Meeting

Smart cities and sustainable societies

**22–26 October 2018**  
**Busan, Republic of Korea**

Meetings of technical committees  
and subcommittees  
13–28 October 2018

# 82<sup>nd</sup> IEC General Meeting

**22–26 October 2018**

Meetings of technical committees and subcommittees  
13–28 October 2018

## Contents

<b>1. Message from the President of the Korean National Committee of the IEC</b> .....	<b>2</b>
<b>2. Message from the IEC President</b> .....	<b>4</b>
<b>3. General information</b> .....	<b>6</b>
About the host	
Meeting dates and locations	
Participation	
<b>4. Timetable at-a-glance</b> .....	<b>12</b>
<b>5. Registration</b> .....	<b>12</b>
<b>6. The brief of side events</b> .....	<b>14</b>
<b>7. Accommodation</b> .....	<b>16</b>
List of hotels	
<b>8. Travel and transportation</b> .....	<b>20</b>
Travel information	
Entering the Republic of Korea	
Insurance	
Embassies and consulates	
Transfer from the airport to BEXCO and hotels in Busan	
<b>9. On arrival</b> .....	<b>22</b>
Registration	
Badges	
Business centre	
<b>10. Technical visits and tours</b> .....	<b>23</b>
Technical visits	
Tours	
<b>11. Tips and useful information</b> .....	<b>24</b>
Business and shopping hours	
Climate and clothing	
Credit/debit cards	
Currency/exchange	
Electricity supply	
Emergency numbers	
Internet connections	
Language	
Meal facilities	
Smoking	
Taxes	
Telephones	
Time zone	
Tipping	
Vaccinations	
Additional information	
<b>12. List of technical committees/subcommittees</b> .....	<b>30</b>
<b>13. Provisional timetable for technical meetings</b> .....	<b>36</b>
<b>14. IEC Management and other meetings</b> .....	<b>68</b>
<b>15. Maps</b> .....	<b>70</b>
Meeting locations and hotels	

# 1. Message from the President of the Korean National Committee of the IEC

The Korean National Committee of the IEC, in conjunction with the Korean Agency for Technology and Standards (KATS), is delighted to host the 82<sup>nd</sup> IEC General Meeting in Busan, Republic of Korea, under the theme of "smart cities and sustainable societies".

We are now experiencing yet another technological revolution and wave of innovation in the fourth industrial revolution, which will not only have a great impact on industries, but also fundamentally transform daily life. One of the biggest changes will be the emergence of hyper-connected societies that connect billions of people to digital networks, things and devices.

In the face of various challenges caused by urban population growth and the depletion of energy sources, the world is focusing on smart cities as a key platform of the fourth industrial revolution with the application of its core technologies and services, such as AI, IoT, self-driving cars, cyber security and smart homes.

An essential prerequisite for responding to the fourth industrial revolution and establishing smart cities is to ensure the interoperability of the systems involved and to achieve a social consensus. In this regard, International Standards will be a vital tool. In order to adapt to recent technological changes, major players from industries, academia, governments, and international organizations should closely cooperate to develop standards for specific needs.

In response to these technological waves, the Korean National Committee of the IEC is concentrating on achieving "innovative growth" based on state-of-the-art smart edge technology, while the city of Busan is stepping up its efforts to build a smart city ecosystem.



**Namyong HER**

President of the Korean National  
Committee of the IEC  
Administrator of the KATS

I truly believe that the 82<sup>nd</sup> IEC General Meeting will offer a great chance to experience the electrotechnical advances taking place in Korea. Also, it will provide a forum for participants from the IEC community to exchange knowledge and expertise and to share their views and visions through not just the General Meeting itself, but also many other events such as an academic paper competition, a standardization education convention, and future technology exhibitions.

I cordially invite you to Busan, which is to be designated as "IEC city" during the General Meeting. I hope all participating delegates representing IEC member countries will enjoy this leading annual event of the IEC as "IEC citizens" and "IEC friends".

I look forward to warmly welcoming you to Busan for the 82<sup>nd</sup> IEC General Meeting.

## 2. Message from the IEC President

The fourth industrial revolution is blurring the traditional boundaries between the physical, digital and biological worlds. The internet of things, smart cities, AI, smart mobility, additive manufacturing all impact the way we produce, trade and communicate, much like steam power transformed production methods and the way of life of many societies during the first industrial revolution.

Today, standards play a key role in the transition to this new era. The speed of change we are witnessing would not be possible without them. The IEC provides the technical foundation to address some of our greatest challenges, including universal energy access, rapid urbanization, climate mitigation and cyber security.

Innovators rely on International Standards to ensure compatibility and interoperability, so that new technologies can be seamlessly adopted. They are also a vehicle to spread knowledge and innovation globally.

The platform for international cooperation provided by the IEC has never been more important than it is today. The IEC brings together 170 countries and close to 20 000 experts from every corner of the globe. They share their expertise and collaborate in a neutral and independent setting. We welcome all viewpoints and invite participation from public and private sectors in developed and developing countries. This broad and inclusive approach is why the IEC is so widely respected.

The IEC continuously adapts to evolving needs and technological advances. It has recently updated its Masterplan, which was published at the last General Meeting in Vladivostok, and its implementation is currently under way. Our close cooperation with private and public stakeholders ensures that IEC work keeps pace with societal needs and underpins the technologies that help advance humankind.



**James M. Shannon**

IEC President

Broad cooperation is more important than ever. Only collectively can we address the many challenges ahead of us. Your work in the IEC helps bring the benefits of technology to the global economy, making it accessible to every country and industry in the world. Thank you for being a part of the IEC.

We thank the National Committee of Korea and KATS for organizing the 82<sup>nd</sup> General Meeting in Busan in October. I look forward to seeing all of you there.

## 3. General information



### About the host

The IEC National Committee of the Republic of Korea is represented by the Korean Agency for Technology and Standards (KATS). Since its establishment in 1883, KATS, which hosts the National Committee of the IEC, plays a key role in national standardization activities, including coordination of the national standards system, establishment of Korean industrial standard (KS), operation of accreditation systems, legal metrology and safety control of electric appliances and industrial products. It also cooperates with international and regional standardization organizations.

The Korean National Committee participates actively in the work of 138 technical committees of the IEC and follows the work of an additional 34 technical committees. The 82<sup>nd</sup> IEC General Meeting is the second GM hosted by the Korean NC.

KATS is focusing on boosting national economic growth and being a platform geared towards a knowledge-based society through the development of strategic policies aimed at evolving the relationship between standards and technology, along with the relationship between standards and industry. KATS also seeks to create more convenient and safe environments via standardization.

Furthermore, KATS strives to adopt a new paradigm for standardization. Of particular note: it develops and implements a new bottom-up approach aimed at strengthening support for stakeholders from the private sector to participate more actively in the standards development process. And, by reinforcing support for standardization activities for enterprises, KATS makes its best efforts to create a business-friendly environment.

## Meeting dates and locations

The 82<sup>nd</sup> IEC General Meeting, hosted by the IEC National Committee of the Republic of Korea and the KATS will take place in Busan, Korea from 22 to 26 October 2018. Technical committee and subcommittee meetings will start on 13 October and continue until 28 October 2018.

Management meetings as well as TC/SC meetings will be held at the following venue:

### BEXCO (Busan Exhibition and Convention Centre)

55 APEC-ro, Haeundae-gu, Busan, Republic of Korea, 48060  
 Tel +82 51 740 7300  
 Fax +82 51 740 7320  
 E-mail: [bexco@bexco.co.kr](mailto:bexco@bexco.co.kr)  
[www.bexco.co.kr/eng/Main.do](http://www.bexco.co.kr/eng/Main.do)



Furthermore, TC/SC meetings will also be held at the following venues:



### Haeundae Grand Hotel

217, Haeundaehaebyeon-ro, Haeundae-gu, Busan  
 Tel +82 51 740 0114  
 Fax +82 51 740 0115  
 E-mail: [grandbq@haeundaegrandhotel.com](mailto:grandbq@haeundaegrandhotel.com)  
[www.haeundaegrandhotel.com/main.asp](http://www.haeundaegrandhotel.com/main.asp)



### Design Centre Busan


57, Centum dong-ro, Haeundae-gu, Busan  
 Tel +82 51 749 7000  
 Fax +82 51 790 1099  
 E-mail: [webmaster@dcb.or.kr](mailto:webmaster@dcb.or.kr)  
[www.dcb.or.kr/eng/](http://www.dcb.or.kr/eng/)



### Arpina

35(U-dong), Haeundaehaebyeon-ro, Haeundae-gu, Busan  
 Tel +82 51 731 9800  
 Fax +82 51 740 3225  
[www.busanyouthhostel.co.kr/english/00.main/main.asp](http://www.busanyouthhostel.co.kr/english/00.main/main.asp)

You will find the event administration, as well as offices of IEC Officers and staff at BEXCO. Onsite registration and pick-up of delegates' bags is located on the 2<sup>nd</sup> floor of the convention hall in BEXCO from 14 to 20 October 2018, and in the Hall 1 of Exhibition Centre 1 of BEXCO from 21 to 26 October 2018. All the details provided in this programme are based on information available at the time of printing (1 April 2018). For additional information and online updates, please visit the official website of the 82<sup>nd</sup> IEC General Meeting: [gm2018.iec.ch](http://gm2018.iec.ch) and the 82<sup>nd</sup> IEC General Meeting app.

 If you need further information about the venue, or special arrangements for management or TC/SC meetings, please contact the host committee directly at [iec2018@korea.kr](mailto:iec2018@korea.kr)

## Participation

Participation in the 82<sup>nd</sup> IEC General Meeting is open to all delegates registered in the IEC expert management system (EMS) and to representatives of invited regional and international organizations. Printed programmes will not be issued in Busan. It is therefore recommended that delegates bring a copy to the meeting.

The charm of Busan goes beyond the beautiful beaches, stunning skyline, incredible food, natural scenery, world-class infrastructure, and endless shopping. Visitors who have walked her maze of city streets, hiked the myriad mountain trails, or relaxed on her sandy shores will all agree on the city's charming mixture of the old and new.

**3,6 million** residents

**770 km<sup>2</sup>**

0,8% of the whole landmass  
of the Korean Peninsula

**5<sup>th</sup> largest**

container handling port in the world,  
the largest in the country

## 4. Timetable at-a-glance

Unless otherwise decided by the chair of the committee concerned, meeting hours will be as follows: from 09:00 to 12:30 and from 14:00 to 17:30. Please note that Management meetings (SMB, CAB, CB, Council) will start at 08:30.

Coffee or tea breaks are scheduled twice a day: 10:30-10:45 and 15:15-15:30 approximately. Lunch will not be provided unless stipulated on the meeting agenda. Updates can be found on the 82<sup>nd</sup> IEC General Meeting website: [gm2018.iec.ch](http://gm2018.iec.ch)


1. **Opening ceremony and welcome reception:** for all delegates and accompanying persons who have registered online for the General Meeting. No charge.
2. **Young Professionals dinner:** for the Young Professionals only. No charge.
3. **Dinner for NC presidents and secretaries:** for NC presidents and secretaries, TC/SC chairs and secretaries, members of the Council Board and registered accompanying persons. No charge. By invitation only.
4. **Farewell party:** for all delegates and accompanying persons who have registered online for the General Meeting. No charge.

## 5. Registration

Registration for the 82<sup>nd</sup> IEC General Meeting is only possible online. Please access online registration via the IEC homepage: [www.iec.ch](http://www.iec.ch) or directly at [meetings.iec.ch](http://meetings.iec.ch). To start registration, you will need to enter your IEC username and password.

If you do not have a username/password, please contact your National Committee. Registration can be modified at any time using the online meeting registration system (MRS) at [meetings.iec.ch](http://meetings.iec.ch)

**Please note that your online registration and subsequent e-mail confirmation is NOT a confirmation for your hotel booking.** You need to book your hotel separately. Information about hotels and booking is given in section 7, Accommodation.

 If you require further assistance with your meeting registration, please contact: [generalmeeting@iec.ch](mailto:generalmeeting@iec.ch)

### Timetable

Date	Morning	Afternoon	Evening
Mon (22 Oct)	Standardization Management Board (SMB) 08:30-17:00	Standardization Management Board (SMB)	Opening ceremony and welcome reception <sup>1</sup>
	Conformity Assessment Board (CAB) 08:30-17:00	Conformity Assessment Board (CAB)	
Tue (23 Oct)	Young Professionals workshop 08:00-17:00	Young Professionals workshop	
	Young Professionals workshop 09:00-17:00	Young Professionals workshop	Young Professionals dinner <sup>2</sup>
	Regulator forum 08:30-18:00	Regulator forum	
	National Committee Secretaries workshop 08:30-12:30	Affiliate forum 13:30-17:30 Asia-Pacific Steering Group (APSG) 16:00-18:00	
Wed (24 Oct)	Council Board 08:30-17:00	Council Board	Dinner for NC presidents and secretaries <sup>3</sup>
	Young Professionals workshop 09:00-17:30	Young Professionals industry visit Workshop for industrializing countries 14:00-17:30	
Thu (25 Oct)	Affiliate NEC workshop 09:00-12:00	National Committee Presidents forum 14:00-15:30	
	Market Strategy Board (MSB) conference 09:00-13:00	TC/SC Officers forum 15:00-18:00	
Fri (26 Oct)	Council statutory session 08:30-12:00	Council open session 14:00-16:00	Farewell party <sup>4</sup>



## 6. The brief of side events

# Welcome to the "IEC city"

The Korean NC will create the small, but compact "IEC city" in Hall 1 of Exhibition Centre 1 of BEXCO, in parallel to the 82<sup>nd</sup> IEC General Meeting. The exhibition space of the electric and electronic companies will be set up in this "city" to present the companies' cutting-edge technologies and standardization activities. Also, "IEC city" will provide the opportunities for experts and the relevant publics to share their insights and experiences through technical seminars and the *Global Convention on Standards Human Resources (HR)* under the theme of standards education and related human resource development. The awarded papers from the IEC-IEEE-KATS Academic Challenge will also be presented in this convention. The Korean NC confidently expects that the "IEC city" will become the pivotal gathering place of "IEC citizens", who are inspiring knowledge exchangers, open-minded communicators, and creative innovators throughout the 82<sup>nd</sup> IEC General Meeting.



Floor plan for side events (tentative)

## 7. Accommodation

You have the choice between several hotels at special rates. To benefit from the preferential IEC rate, please book your hotels through [meetings.iec.ch](http://meetings.iec.ch)

After you successfully complete your hotel booking, you will receive a confirmation and payment information via e-mail. If you would like to modify your hotel booking, please follow the link that is provided at the bottom of your hotel confirmation.

### List of hotels

★★★★★	<ol style="list-style-type: none"> <li>1. Park Hyatt Busan</li> <li>2. Paradise Hotel Busan</li> <li>3. The Westin Chosun Busan</li> <li>4. Haeundae Grand Hotel</li> </ol>
★★★★★	<ol style="list-style-type: none"> <li>5. Shilla Stay Haeundae</li> </ol>
★★★	<ol style="list-style-type: none"> <li>6. Centum Premier Hotel</li> <li>7. Kunoh Seacloud Hotel</li> <li>8. Ibis Budget Ambassador Busan Haeundae</li> </ol>



#### 1. Park Hyatt Busan

Address: 51, Marine City 1-ro, Haeundae-gu, Busan  
 Tel: +82 51 990 1234  
 Distance to BEXCO: 10 minutes by car  
 Website: [busan.park.hyatt.com/en/hotel/home.html](http://busan.park.hyatt.com/en/hotel/home.html)



#### 15–26 October 2018:

Park King (single): 253 000 KRW  
 Park Deluxe King/Twin (single/twin): 286 000 KRW  
 Breakfast: 35 200 KRW (not included)



#### 2. Paradise Hotel Busan

Address: 296, Haeundaehaebyeon-ro, Haeundae-gu, Busan  
 Tel: +82 51 742 2121  
 Distance to BEXCO: 15 minutes by car  
 Website: [www.busanparadisehotel.co.kr/main.do?lang=en](http://www.busanparadisehotel.co.kr/main.do?lang=en)



#### 15–26 October 2018:

Deluxe City (single/twin): 242 000 KRW  
 Deluxe Ocean Side (single/twin): 266 200 KRW  
 Breakfast: 32 670 KRW (included)



#### 3. The Westin Chosun Busan

Address: 67, Dongbaek-ro, Haeundae-gu, Busan  
 Tel: +82 51 749 7000  
 Distance to BEXCO: 15 minutes by car  
 Website: [twcb.echosunhotel.com/main.do?locale=en](http://twcb.echosunhotel.com/main.do?locale=en)



#### 15–26 October 2018:

Deluxe Park (single/twin): 229 900 KRW  
 Deluxe Beach (single/twin): 278 300 KRW  
 Breakfast: 31 460 KRW (included)



#### 4. Haeundae Grand Hotel

Address: 217, Haeundaehaebyeon-ro, Haeundae-gu, Busan  
 Tel: +82 51 740 0114  
 Distance to BEXCO: 10 minutes by car  
 Website: [www.haeundaegrandhotel.com/main.asp](http://www.haeundaegrandhotel.com/main.asp)



#### 15–26 October 2018:

Deluxe City View (single/twin): 193 600 KRW  
 Deluxe Ocean View (single/twin): 242 000 KRW  
 Breakfast: 26 620 KRW (not included)



#### 5. Shilla Stay Haeundae

Address: 46, Haeundae-ro 570 beon-gil, Haeundae-gu, Busan  
 Tel: +82 51 912 9000  
 Distance to BEXCO: 10 minutes by car  
 Website: [www.shillastay.com/haeundae/index.do](http://www.shillastay.com/haeundae/index.do)

##### 15–26 October 2018:

Standard/Deluxe City View (single/twin): 154 000 KRW  
 Standard/Deluxe Ocean View (single/twin): 176 000 KRW  
 Breakfast: 18 000 KRW (not included)



#### 6. Centum Premier Hotel

Address: 17, Centum 1-ro, Haeundae-gu, Busan  
 Tel: +82 51 755 9000  
 Distance to BEXCO: 5 minutes on foot  
 Website: [www.premierhotel.co.kr/eng](http://www.premierhotel.co.kr/eng)

##### 15–26 October 2018:

Single: 76 000 KRW  
 Superior Double: 109 000 KRW  
 Breakfast: 14 300 KRW (not included)



#### 7. Kunoh Seacloud Hotel

Address: 287, Haeundaehaebyeon-ro, Haeundae-gu, Busan  
 Tel: +82 51 933 4300  
 Distance to BEXCO: 10 minutes by car  
 Website: [www.seacloudhotel.co.kr/eng/index.html](http://www.seacloudhotel.co.kr/eng/index.html)  
 \*Kunoh Seacloud Hotel's check-in desk is located on the 6<sup>th</sup> floor.

##### 15–26 October 2018:

Superior (single/twin): 110 000 KRW  
 Breakfast: 14 300 KRW (not included)




#### 8. Ibis Budget Ambassador Busan Haeundae

Address: 8, Haeundaehaebyeon-ro 209 beon-gil, Haeundae-gu, Busan  
 Tel: +82 51 901 1111  
 Distance to BEXCO: 10 minutes by car  
 Website: [www.ambatel.com/ibisbudget/haeundae/en/main.do](http://www.ambatel.com/ibisbudget/haeundae/en/main.do)

##### 15–26 October 2018:

Standard City (single/twin): 99 000 KRW  
 Standard Ocean (single/twin): 115 500 KRW  
 Breakfast: 14 300 KRW (not included)



 **All room rates are per room per night including VAT & SVC.  
 Exchange rate is 1 USD = 1 060 KRW as of 1 April 2018.**

The above quoted prices are valid for all registrations received prior to **22 August 2018**. Please note that after this date normal commercial rates apply and room availability is no longer guaranteed. Hotel rooms will be allocated on a first-come, first-served basis. You are solely responsible for all financial obligations arising from reservations made by you or on your behalf. This includes all charges for cancellation, no show or late arrival. A credit card number is required to secure hotel bookings.

## 8. Travel and transportation

### Travel information

Please book and arrange your own travel.

### Entering the Republic of Korea

Before entering the Republic of Korea, please make sure you have a valid passport and visa. However, nationals of countries under visa exemption agreement are allowed to enter Korea without visas. For further information, please check the Republic of Korea visa portal at [www.visa.go.kr](http://www.visa.go.kr)

Should you require a letter of invitation, please fill in the Visa tab through the online meeting registration system at [meetings.iec.ch](http://meetings.iec.ch)

### Insurance

The organizing committee cannot accept any responsibility for accidents, losses and damages which may occur to luggage and/or personal belongings. Participants and accompanying persons are advised to obtain travel, medical, personal accident and luggage insurance in their home country prior to departure.

### Embassies and consulates

A list of foreign embassies as well as consulates in the Republic of Korea, including contact information, is available at: [www.visa.go.kr/openPage.do?MENU\\_ID=10106](http://www.visa.go.kr/openPage.do?MENU_ID=10106)

### Transfer from the airport to BEXCO and hotels in Busan

#### From Incheon International Airport/Seoul to Busan:

Incheon International Airport (ICN) is a gateway to the Republic of Korea located 46 km west of Seoul. From Incheon International Airport (ICN), take domestic flight to Gimhae International Airport (PUS) in Busan. Alternatively, the KTX high-speed train runs six times a day directly from Incheon Airport to Busan station. It takes less than four hours and costs 72 100 KRW (approx. 68 USD) per person.


#### From Gimhae International Airport (PUS) to BEXCO and hotels:

From Gimhae International Airport (PUS) you can reach BEXCO and the official hotels within an hour by taxi for approx. 25 000 KRW (approx. 23 USD).

Alternatively, an airport limousine bus, which departs every 30 minutes from Gimhae airport between 06:50 and 22:20 (7 000 KRW, approx. 7 USD) will bring you to BEXCO.

#### From Busan Station (KTX) to BEXCO and hotels:

A taxi ride from Busan Station takes around 40 minutes to BEXCO and the official hotels and costs approximately 15 000 KRW (approx. 14 USD).

 **Departure: Gimpo Int'l Airport**  
**Destination: Gimhae Int'l Airport**  
**Duration: approx. 40 minutes' flight time**



Detailed information is available at [gm2018.iec.ch](http://gm2018.iec.ch) and on the 82<sup>nd</sup> IEC General Meeting app.

## 9. On arrival

### Registration







The IEC information and registration desk will be located on the 2<sup>nd</sup> floor of the convention hall in BEXCO from 14 to 20 October 2018, and in Hall 1 of Exhibition Centre 1 of BEXCO from 21 to 26 October 2018. Opening hours: 08:00-18:00 every day.

#### When registering, delegates will receive:

- an identification badge;
- invitations to social events;
- updates and general information to assist them during their stay.

### Badges

The following colour codes are used for badges:

					
<b>White</b> Delegates	<b>Yellow</b> Accompanying persons	<b>Blue</b> IEC Officers and staff	<b>Red</b> Organizers	<b>Green</b> Young Professionals	<b>Purple</b> HC guests, sponsors

All delegates are requested to wear their identification badge throughout the General Meeting, including all meetings, receptions, social events. On its verso side, the badge mentions some phone numbers that can be dialed in case of an emergency (police, ambulance, doctor, etc.).

### Business centre

A complimentary business centre will be available on the 1<sup>st</sup> floor of the convention hall in BEXCO from 15 to 20 October 2018, and in Hall 1 of Exhibition Centre 1 of BEXCO from 21 to 26 October 2018, where you will find a number of computers with Internet connection, scanners, printers, photocopiers and connection points for laptops. Opening hours: 08:00-18:00 every day.

The computers will have standard software pre-installed, including Microsoft Office, Adobe Acrobat Reader, WinZip and Internet Browser. You will need a fully installed/configured LAN card to connect to the local area network (TCP/IP protocol) with your laptop using a Wi-Fi-enabled system.

## 10. Technical visits and tours

### Technical visits

You will find information about all technical visits at [gm2018.iec.ch](http://gm2018.iec.ch)

### Tours

The host committee has organized several tours for you and accompanying persons. For detailed information, please consult [gm2018.iec.ch](http://gm2018.iec.ch)



# 11. Tips and useful information

## Business and shopping hours

Category	Week days Mon-Fri	Weekends & public holidays	Remarks
<b>Banks</b>	09:00-16:00	Closed	<b>Exceptions:</b> Standard Chartered Bank Mon-Fri 09:30-16:30  EVERICH Bank Mon-Fri 09:00-16:30  Closed on weekends & public holidays
<b>Government offices and organizations</b>	09:00-18:00	Closed	
<b>Post offices</b>	09:00-18:00	Closed	Website: <a href="http://www.koreapost.go.kr">www.koreapost.go.kr</a>
<b>Shops and shopping centres</b>	Mon-Thu 10:30-20:00  Fri 10:30-20:30	10:30-20:30	Typically, department stores are closed one day a month (usually on the first Monday of a month). However, this date as well as opening hours may vary for individual stores. We recommend that you check prior to visiting them.

## Climate and clothing

October is the beginning of the autumn season in the Republic of Korea. The average temperature in Busan is around 14°C (57°F) to 22°C (72°F) in October. The weather is very pleasant, however, the temperature is changeable especially in the evening and it might rain during this period. Therefore, we recommend that you bring layers of clothing and an umbrella.

## Credit/debit cards

Visa, Mastercard, American Express as well as some other credit cards are accepted by most businesses in the Republic of Korea including major hotels, department stores, and general shops. However, please double-check before making your purchase.

## Currency/exchange

The South Korean won is the official currency (₩, KRW). All prices quoted in this programme are in KRW. As of 1 April 2018, the exchange rate is approximately 1 USD = 1 060 KRW, 1 CHF = 1 111 KRW and 1 EUR = 1 306 KRW.

Most foreign currency in notes can be exchanged in banks or authorized exchange service centres. Bank notes are in denominations of 1 000, 5 000, 10 000, 50 000 won, and coins are with a value of 10, 50, 100, 500 won.

We recommend that you check exchange rates before your departure to take advantage of the best rates.

## Electricity supply

The standard in the Republic of Korea is 220 volts at 60 hertz. Electrical sockets match the type C and type F plugs and sockets described in IEC TR 60083:2015 and at [www.iec.ch/worldplugs](http://www.iec.ch/worldplugs) as follows:

### Type C: 220 V, 60 Hz



### Type F: 220 V, 60 Hz



## Emergency numbers

Police	<b>112</b>
Fire & emergency medical service	<b>119</b>
Travel hotline & complaint centre	<b>1330</b>

## Internet connections

Free high-speed Wi-Fi Internet access is guaranteed to all delegates within the General Meeting business centre and all General Meeting locations (meeting rooms). Internet access at hotels may involve substantial daily charges. We recommend that you check connection rates at your hotel.

## Language

The official language of the Republic of Korea is Korean. In business communication, English is common.

## Meal facilities

You can find cafes, fast food chains as well as Korean and Chinese restaurants on floor B1 of Exhibition Centre 1 of BEXCO. Also, there are some places to eat near BEXCO. Please ask the concierge in your hotel for recommendations or enquire at the information desk in BEXCO.

## Smoking

Smoking is prohibited in public places. It is permitted only in specially designated and equipped areas.

## Taxes

**Value added tax (VAT):** The Republic of Korea has VAT system, and its 10% rate is applicable to all supplies of goods and services not qualifying for an exemption. The VAT is generally included in the price of goods and services.

**Tax free system:** The Republic of Korea's tax free system can largely be divided into "duty free" and "tax refund". In duty free shops, no tax is applied to the price of the items, including the VAT and individual consumption tax. In comparison, a tax refund can be claimed by tourists before they leave the country.

## Telephones

Country code: +82

City code for Busan: +51

City code for Seoul: +2

In the Republic of Korea, there are three mobile telecommunications service providers: KT, LG U+, and SKT.

Nowadays, public phone booths are steadily decreasing in the Republic of Korea. However, you can find some public phone booths at popular sites such as bus stops and subway stations. Public phones generally provide local and international call services, with payment accepted by coins or phone cards.

For international calls from the hotel, please consult the hotel operator.

The following services are provided at the arrival deck counter at Incheon Int'l Airport.

Information of Wi-Fi router rental service and roaming services:

Service provider	DOSIRAK	KT Rental	LG U+	SKT	
Services	Router rental	Router rental and roaming	Router rental and roaming	Router rental and roaming	
Wi-Fi router rental fee	4 500 KRW (4 USD) per day	4 400 KRW (4 USD) per day	8 800 KRW (8 USD) per day	7 700 KRW (7 USD) per day	
Data/Network	Unlimited/4G, LTE	Unlimited/LTE	Unlimited/LTE	400 MB/3G, LTE	
Location	Passenger Terminal 1	Exit No. 7 1st floor	Exit Nos. 6 & 10 1st floor	Exit Nos. 5 & 9 1st floor	Exit No. 10 1st floor
	Passenger Terminal 2	Exit No. 1 1st floor		Between Exit Nos. 4 & 5 1st floor	
Contact number	+82 1566 9070	+82 2 2190 0901	+82 2 3416 7010	+82 2 6343 9000	

## Time zone

Busan time zone: GMT+09:00/No daylight saving time.

## Tipping

Tipping is not required nor expected in the Republic of Korea.

## Vaccinations

There is no compulsory vaccination for entering the Republic of Korea.

## Additional information

### 1. Restricted items

The items listed below are restricted from entry to the Republic of Korea:

- Tobacco: no more than 200 cigarettes or 50 cigars or 250 g of other tobacco products per person above 19 years old
- Alcohol: no more than 1 bottle (not over 1 L) of liquor per person above 19 years old
- Perfume: no more than 60 ml
- All weapons (including replicas and decorations)
- Illegal drugs such as opium, marijuana/cannabis, cocaine, etc.
- Domestic currency (KRW) or won-denominated travellers' cheques exceeding 10 000 USD must be declared to customs upon arrival and departure
- Plants, fruits and vegetables, agricultural and forestry products
- Animal products (including meat, skin, fur), livestock, and animal fodder

For further information, please consult the website of Korea Customs Service:

[www.customs.go.kr/kcshome/site/index.do?layoutSiteId=english](http://www.customs.go.kr/kcshome/site/index.do?layoutSiteId=english)

### 2. Arrival card

A foreigner entering the Republic of Korea has to go through immigration at the port of entry. Please present your passport along with the completed arrival card (form No. 41-2) that states the purpose of your entry, location of residence, etc. to immigration officials.

ARRIVAL CARD 入国申告書 (外国人用)

1. Family Name / 姓: \_\_\_\_\_ Given Name / 名: \_\_\_\_\_ Sex / 性別:  Male / 男  Female / 女

2. Nationality / 国籍: \_\_\_\_\_ Date of Birth / 生年月日 (YYYY-MM-DD): \_\_\_\_\_ Passport No. / 护照号码: \_\_\_\_\_

3. Home Address / 本国住所: \_\_\_\_\_ Occupation / 职业: \_\_\_\_\_

10. Press in Korea / 韩国内 停留地址 (Tel: \_\_\_\_\_)

11. Purpose of visit / 入境目的:  Tour 观光  Business 商务  Conference 会议  Visit 访问  Employment 就业  Official 公务  Study 留学  Others 其他 ( )

12. Nature / 事由: \_\_\_\_\_ Official Only 公务用

ARRIVAL CARD 入国申告書 (外国人用)

1. Family Name / 姓: DUPONT Given Name / 名: GUILLAUME Sex / 性別:  Male / 男  Female / 女

2. Nationality / 国籍: switzerland Date of Birth / 生年月日 (YYYY-MM-DD): 19680523 Passport No. / 护照号码: SS212345

3. Home Address / 本国住所: 3, rue de Verembe, P.O Box 131, 1211 Geneva 20, Switzerland Occupation / 职业: Professor

10. Press in Korea / 韩国内 停留地址 (Tel: 051-990-1234)

11. Purpose of visit / 入境目的:  Conference 会议  Tour 观光  Business 商务  Visit 访问  Employment 就业  Official 公务  Study 留学  Others 其他 ( )

12. Nature / 事由: Park Hyatt Busan Official Only 公务用



## 12. List of technical committees/ subcommittees

The following technical committees and subcommittees have been invited to meet at the 82<sup>nd</sup> IEC General Meeting.

TC/SC	Title
<b>TC 1</b>	Terminology
<b>TC 8</b>	Systems aspects for electrical energy supply
<b>SC 8A</b>	Grid integration of renewable energy generation
<b>SC 8B</b>	Decentralized electrical energy systems
<b>TC 17</b>	High-voltage switchgear and controlgear
<b>SC 17A</b>	Switching devices
<b>SC 17C</b>	Assemblies
<b>TC 21</b>	Secondary cells and batteries
<b>SC 21A</b>	Secondary cells and batteries containing alkaline or other non-acid electrolytes
<b>TC 23</b>	Electrical accessories
<b>SC 23A</b>	Cable management systems
<b>SC 23B</b>	Plugs, socket-outlets and switches
<b>SC 23 E</b>	Circuit-breakers and similar equipment for household use
<b>SC 23G</b>	Appliance couplers

TC/SC	Title
<b>SC 23H</b>	Plugs, socket-outlets and couplers for industrial and similar applications, and for electric vehicles
<b>SC 23J</b>	Switches for appliances
<b>SC 23K</b>	Electrical energy efficiency products
<b>TC 25</b>	Quantities and units
<b>TC 31</b>	Equipment for explosive atmospheres
<b>SC 31G</b>	Intrinsically-safe apparatus
<b>SC 31J</b>	Classification of hazardous areas and installation requirements
<b>SC 31M</b>	Non-electrical equipment and protective systems for explosive atmospheres
<b>TC 34</b>	Lamps and related equipment
<b>SC 34A</b>	Lamps
<b>SC 34B</b>	Lamp caps and holders
<b>SC 34C</b>	Auxiliaries for lamps
<b>SC 34D</b>	Luminaires
<b>TC 36</b>	Insulators
<b>SC 36A</b>	Insulated bushings
<b>TC 40</b>	Capacitors and resistors for electronic equipment
<b>TC 47</b>	Semiconductor devices
<b>SC 47A</b>	Integrated circuits

TC/SC	Title
<b>SC 47D</b>	Semiconductor devices packaging
<b>SC 47E</b>	Discrete semiconductor devices
<b>SC 47F</b>	Micro-electromechanical systems
<b>TC 59</b>	Performance of household and similar electrical appliances
<b>SC 59A</b>	Electric dishwashers
<b>SC 59C</b>	Heating appliances
<b>SC 59D</b>	Performance of household and similar electrical laundry appliances
<b>SC 59F</b>	Surface cleaning appliances
<b>SC 59K</b>	Performance of household and similar electrical cooking appliances
<b>SC 59L</b>	Small household appliances
<b>SC 59M</b>	Performance of electrical household and similar cooling and freezing appliances
<b>TC 61</b>	Safety of household and similar electrical appliances
<b>SC 61C</b>	Safety of refrigeration appliances for household and commercial use
<b>SC 61D</b>	Appliances for air-conditioning for household and similar purposes
<b>SC 61H</b>	Safety of electrically-operated farm appliances
<b>TC 65</b>	Industrial-process measurement, control and automation
<b>SC 65A</b>	System aspects
<b>SC 65B</b>	Measurement and control devices

TC/SC	Title
<b>SC 65D</b>	Industrial networks
<b>SC 65E</b>	Devices and integration in enterprise systems
<b>TC 79</b>	Alarm and electronic security systems
<b>TC 82</b>	Solar photovoltaic energy systems
<b>TC 86</b>	Fibre optics
<b>SC 86A</b>	Fibres and cables
<b>SC 86B</b>	Fibre optic interconnecting devices and passive components
<b>SC 86C</b>	Fibre optic systems and active devices
<b>TC 90</b>	Superconductivity
<b>TC 91</b>	Electronics assembly technology
<b>TC 100</b>	Audio, video and multimedia systems and equipment
<b>TA 1</b>	Terminals for audio, video and data services and contents
<b>TA 2</b>	Colour measurement and management
<b>TA 4</b>	Digital system interfaces and protocols
<b>TA 5</b>	Cable networks for television signals, sound signals and interactive services
<b>TA 6</b>	Storage media, storage data structures, storage systems and equipment
<b>TA 10</b>	Multimedia e-publishing and e-book technologies
<b>TA 15</b>	Wireless power transfer

TC/SC	Title
<b>TA 16</b>	Active assisted living (AAL), wearable electronic devices and technologies, accessibility and user interfaces
<b>TA 17</b>	Multimedia systems and equipment for cars
<b>TA 18</b>	(New TA, tentative title: Multimedia home systems and applications for end-user networks)
<b>TA 19</b>	(New TA, tentative title: Environmental and energy aspects for multimedia systems and equipment)
<b>TA 20</b>	(New TA, tentative title: Analogue and digital audio)
<b>TC 103</b>	Transmitting equipment for radio communication
<b>TC 108</b>	Safety of electronic equipment within the field of audio/video, information technology and communication technology
<b>TC 110</b>	Electronic display devices
<b>TC 111</b>	Environmental standardization for electrical and electronic products and systems
<b>TC 113</b>	Nanotechnology for electrotechnical products and systems
<b>TC 119</b>	Printed electronics
<b>TC 121</b>	Switchgear and controlgear and their assemblies for low voltage
<b>SC 121A</b>	Low-voltage switchgear and controlgear
<b>SC 121B</b>	Low-voltage switchgear and controlgear assemblies
<b>TC 124</b>	Wearable electronic devices and technologies
<b>CISPR</b>	International special committee on radio interference
<b>CIS/A</b>	Radio-interference measurements and statistical methods

TC/SC	Title
<b>CIS/B</b>	Interference relating to industrial, scientific and medical radio-frequency apparatus, to other (heavy) industrial equipment, to overhead power lines, to high voltage equipment and to electric traction
<b>CIS/D</b>	Electromagnetic disturbances related to electric/electronic equipment on vehicles and internal combustion engine powered devices
<b>CIS/F</b>	Interference relating to household appliances tools, lighting equipment and similar apparatus
<b>CIS/H</b>	Limits for the protection of radio services
<b>CIS/I</b>	Electromagnetic compatibility of information technology equipment, multimedia equipment and receivers
<b>CIS/S</b>	Steering committee
<b>SyC Smart cities</b>	Electrotechnical aspects of smart cities
<b>SyC Smart energy</b>	Smart energy
<b>ACEA</b>	Advisory committee on environmental aspects
<b>ACEC</b>	Advisory committee on electromagnetic compatibility
<b>IECQ</b>	IEC Quality Assessment System for Electronic Components
<b>IEC-ILAC/IAF</b>	Steering committee





































## 14. IEC Management and other meetings

Meetings	20 Oct (Sat)		21 Oct (Sun)		22 Oct (Mon)		23 Oct (Tue)		24 Oct (Wed)		25 Oct (Thu)		26 Oct (Fri)		27 Oct (Sat)	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
	SMB CAG (08:30-17:00)	█	█													
CAB CAG (08:30-17:00)	█	█														
EXCO 1 (from 09:00)			█	█												
Standardization Management Board (SMB) (08:30-17:00)			█	█	█	█										
Conformity Assessment Board (CAB) (08:30-17:00)			█	█	█	█										
Young Professionals workshop & industry visit (08:00-17:30)			█	█	█	█	█	█								
Regulator forum (08:30-18:00)			█	█	█	█	█									
NC Secretaries workshop (08:30-12:30)					█	█	█									
Affiliate forum (13:30-18:00)							█	█								
Asia-Pacific Steering Group (APSG) (16:00-18:00)							█	█								

Meetings	20 Oct (Sat)		21 Oct (Sun)		22 Oct (Mon)		23 Oct (Tue)		24 Oct (Wed)		25 Oct (Thu)		26 Oct (Fri)		27 Oct (Sat)	
	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM	AM	PM
	Council Board (08:30-17:00)									█	█					
Workshop for industrializing countries (14:00-17:30)									█	█						
Market Strategy Board (MSB) conference (09:00-13:00)										█	█					
Affiliate NEC workshop (09:00-12:00)										█	█					
NC Presidents forum (14:00-15:30)											█	█				
TC/SC Officers forum (15:00-18:00)											█	█				
Council statutory session (08:30-12:00)												█	█			
Council open session (14:00-16:00)													█	█		
EXCO 2 (from 09:00)															█	█

# 15. Maps

## Meeting locations and hotels

### 1. City map



### 2. BEXCO map



**From Gimhae International Airport to Bexco**  
 Distance: 27 km  
 Duration: approx. 55 min by car

**From Busan Station to Bexco**  
 Distance: 14 km  
 Duration: approx. 35 min by car

# Busan city, Smart city, IEC city

Contact information of the host and the organizing committee is given on the website of the 82<sup>nd</sup> IEC General Meeting: [gm2018.iec.ch](http://gm2018.iec.ch)

All details provided in this programme are based on information available at the time of printing (1 April 2018). For additional information and online updates, please visit the official website of the 82<sup>nd</sup> IEC General Meeting: [gm2018.iec.ch](http://gm2018.iec.ch)



**Korean National Committee of the IEC**  
**Korean Agency for Technology and Standards (KATS)**

93 Isu-ro Maengdong-myeon Eumseong-gun Chungcheongbuk-do

27737 Republic of Korea

Tel +82 43 870 5408

Fax +82 43 870 5668

[iec2018@korea.kr](mailto:iec2018@korea.kr)

[gm2018.iec.ch](http://gm2018.iec.ch)