

## **The Final Circular**

### **AFAD2018**

#### **(9<sup>th</sup> Asian Forum for Accelerators and Detectors)**

**January 28 -31, 2018**

**Daejeon Convention Center, Daejeon, Korea**

**Homepage: <https://indico.ibs.re.kr/e/afad2018>**

The 9<sup>th</sup> Asian Forum for Accelerators and Detectors (AFAD) will be held from January 28 to 31, in Daejeon, Korea. AFAD is organized by Asian Committee of Future Accelerator (ACFA) to promote collaboration among universities and research institutes in Asia and Oceania. The major focus of forum will be given to the fields of accelerators, detectors and related technologies in the industry as well as in the research institutes. AFAD2018 is being organized by the Institute for Basic Science (IBS) and will be hosted by a team of Rare Isotope Science Project together with the Division of Quantum Engineering and Nuclear Fusion of the Korean Nuclear Society.

#### **1. Important dates**

Registration: (extended) January 19, 2017

Abstract deadline (extended): January 19, 2017

Forum dates: January 28-31, 2018

#### **2. Topics**

Seven Working Groups (WG) are formed with the following topics:

- WG1: Accelerator and its related technologies for photon science
- WG2: Detector Technology Development
- WG3: Accelerator technologies for industrial & medical applications
- WG4: Innovative accelerator techniques
- WG5: Accelerator and its related technologies for hadron (neutron) science
- WG6: Network & Computing
- WG7: Cryogenics, Cryomodule and Superconducting Technology for Accelerator

### 3. Forum venue

AFAD 2018 will be held at DCC (Daejeon Convention Center). Detailed information could be found from the DCC website; <http://www.dcckorea.or.kr>



Jan. 28/Sunday	
17:00 – 20:00	Registration and Reception ( <b>DCC 201</b> )

	Jan. 29/Mon.	Jan. 30/Tue.	Jan. 31/Wed.
Morning	Opening & Plenary	Working Group	Excursion (09:00 – 18:00)
Afternoon	Working Group (Banquet)	Plenary & Closing (Lab Tour)	

#### Registration Counter & Information Desk

Jan. 28	17:00 –20:00	DCC 201
Jan. 29	08:30 –17:00	DCC 1F
Jan. 30	08:30 –17:00	DCC 1F

#### Conference Venue

Plenary session: DCC Conference hall, Room 301

Parallel session: DCC 1F

WG1: Room 101, WG2: Room 102, WG3: Room 103, WG4: Room 104  
WG5: Room 105, WG6: Room 106, WG7: Room 107

### **Banquet**

**Place:** DCC 2F Grand Ballroom

**Time:** Jan.29, 18:30-20:30

### **Lunch**

**Place:** DCC 2F

**Time:** Jan. 30 12:00-13:30

## **4. Oral presentation and abstract submission**

All oral presentations for seven WG's are decided by the conveners. All participants who want to present oral presentations should contract a convener in the list of Section 5 or Local Organizing Committee members. All presenters are cordially asked to submit abstracts at the Website. The speaker should prepare for a PPT file.

### **Submission of Presentation Files**

There are no provisions for speakers to use their own laptops during the presentation. All speakers should copy the file in either PPT or PDF format to a portable storage device (USB memory stick) and bring it to the Session Chair or Staff who will be assigned for each session, during break time before your session starts. (If it is inevitable to use your own laptop, please consult with Staff. Especially if your laptop is Mac, please bring your own adaptor.)

## 5. Working groups and Conveners

Working Groups	Organizers		Affiliation	E-mail
<b>WG1: Accelerator and its related technologies for photon science</b>	<b>Conveners</b>	Dong Wang, China	SINAP	wangdong@sinap.ac.cn
		Urakawa, Junji, Japan	KEK	junji.urakawa@kek.jp
		Deb, S.K., India	RRCAT	skdeb@rrcat.gov.in
		Hwang, C.S., Taiwan	NSRRC	cshwang@nsrrc.org.tw
		Rohan Dowd, Australia	Australian Synchrotron	Rohan.Dowd@synchrotron.org.au
		Kulipanov, Gennady, Russia	BINP	G.N.Kulipanov@inp.nsk.su
		Park, Sungju, Korea	PAL/POSTECH	sjpark@postech.ac.kr
	<b>Co-Conveners</b>	Park, Sungju, Korea	PAL/POSTECH	sjpark@postech.ac.kr
<b>WG2: Detector technology development</b>	<b>Conveners</b>	Heng , Yuekun, China	IHEP	hengyk@ihep.ac.cn
		Uno, Shoji, Japan	KEK	shoji.uno@kek.jp
		Chattopadhyay, Subhasis, India	VECC	sub@vecc.gov.in
		Yee, Hsiung, Taiwan	National Taiwan University	yhsiung@phys.ntu.edu.tw
		Jackson, Paul, Australia	The University of Adelaide	p.jackson@adelaide.edu.au
		Tikhonov, Yuri, Russia,	BINP	Yu.A.Tikhonov@inp.nsk.su
		Won, Eunil, Korea,	Korea University	eunilwon@korea.ac.kr
	<b>Co-Conveners</b>	Ryu, Minsang, Korea	Institute for Basic Science	minsang.ryu@ibs.re.kr
<b>WG3: Accelerator technologies for industrial &amp; medical applications</b>	<b>Conveners</b>	Tang, Chuanxiang, China	TsingHua University	tang.xuh@tsinghua.edu.cn
		Takayama, Ken, Japan	KEK	takayama@post.kek.jp
		Kanjilal, D., India	IUAC	dkiuac@gmail.com
		Gwo-Huei Luo, Taiwan	NSRRC	luo@nsrrc.org.tw
		Rosenfeld, Anatoly, Australia	The University of Wollongong	anatoly@uow.edu.au
		Kuksanov, Nikolay, Russia,	BINP	kuksanov@inp.nsk.su
		Oh, Byung-Hoon, Korea	KAERI	bhoh@kaeri.re.kr
	<b>Co-Conveners</b>	Kim, Jae-Hong, Korea	Institute for Basic Science	jhkim68@ibs.re.kr
<b>WG4: Innovative accelerator technologies</b>	<b>Conveners</b>	Gao, Jie, China	IHEP	gaoj@ihep.ac.cn
		Koyama, Kazuyoshi, Japan	KEK	koyama-kazu@nifty.com
		Moorti, Anand, India	RRCAT	moorti@rrcat.gov.in
		Huang, Yen-Chieh, Taiwan	National Tsing Hua University, Taiwan	ychuang@ee.nthu.edu.tw
		LeBlanc, Greg, Australia	Australian Synchrotron	greg.leblanc@synchrotron.org.au
		Lotov, Konstantin, Russia	BINP	K.V.Lotov@inp.nsk.su
		Suk, Hyyong, Korea,	Gwangju Institute of Science and Technology	hysuk@gist.ac.kr
	<b>Co-Conveners</b>	Hur, Min-Sup, Korea	UNIST	mshur@unist.ac.kr

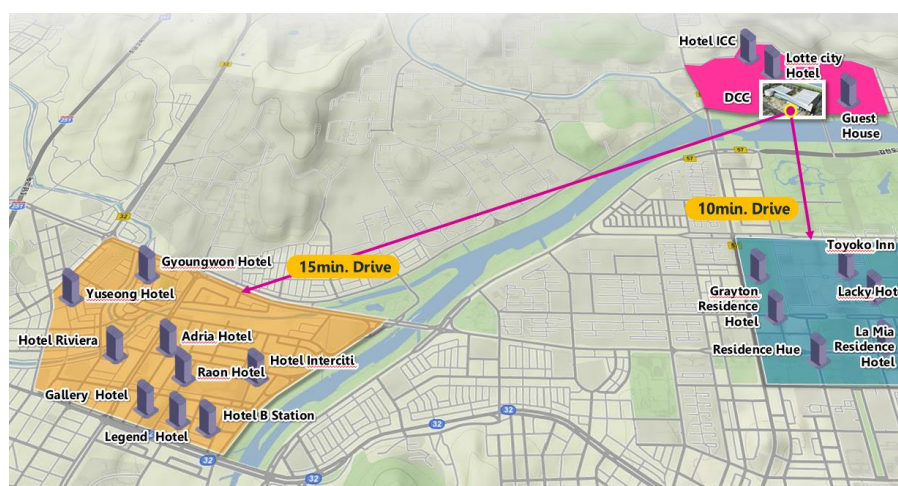
<b>WG5: Accelerator and its related technologies for hadron (neutron) science</b>	<b>Conveners</b>	Fu, Shinian, China	IHEP	fusn@ihep.ac.cn
		Ino, Takashi, Japan	KEK	takashi.ino@kek.jp
		Joshi, Satish Chandra, India	RRCAT	scjoshi@rrcat.gov.in
		Chen, Jim, Taiwan	CEO, one startup company, Taiwan	jimchen777@gmail.com
		Rassool, Roger, Australia	The University of Melbourne	rogerpr@unimelb.edu.au
		Ivanov, Aleksandr, Russia,	BINP	A.A.Ivanov@inp.nsk.su
		Kim, Eun-San, Korea	Korea University, Sejong	eskim1@korea.ac.kr
	<b>Co-Conveners</b>	Kim, Eun-San, Korea	Korea University, Sejong	eskim1@korea.ac.kr
<b>WG6: Network &amp; Computing</b>	<b>Conveners</b>	Chen, Gang, China	IHEP	cheng@ihep.ac.cn
		Nakamura, Tomoaki, Japan	KEK	Tomoaki.Nakamura@kek.jp
		Roy, Amitava, India	VECC	amatav@vecc.gov.in
		Eric Yen, Taiwan	Academia Sinica	Eric.Yen@twgrid.org
		Williams, Anthony, Australia	The University of Adelaide	anthony.williams@adelaide.edu.au
		Kuper, Eduard, Russia,	BINP	E.A.Kuper@inp.nsk.su
		Cho, Kihyeon, Korea	KISTI	cho@kisti.re.kr
	<b>Chariperson</b>			
<b>WG7: Cryogenics, Cryomodule and Superconducting Technology for Accelerator</b>	<b>Conveners</b>	Buseung Cho, Korea	KISTI	bscho@kisti.re.kr
	<b>Conveners</b>	Shaopeng Li, China	IHEP	lisp@ihep.ac.cn
		Kenji Hosoyama, Japan	KEK	kenji.hosoyama@kek.jp
		Tripti Sekhar Datta, India	IUAC	tsdatta59@gmail.com
		Feng- Zone Hsia, Taiwan	NSRRC	fzh@nsrrc.org.tw
		Lobanov, Nikolai, Australia	ANU	Nikolai.Lobanov@anu.edu.au
		Nikay Agapov, Russia	JINR	agapov@lhe.jinr.su
		Hyeok-Jung Kwon, Korea	KAERI	hjkwon@kaeri.re.kr
	<b>Co-Conveners</b>	Kim, Youngkwon, Korea	Institute for Basic Science	ykkim78@ibs.re.kr

## 6. Accommodation

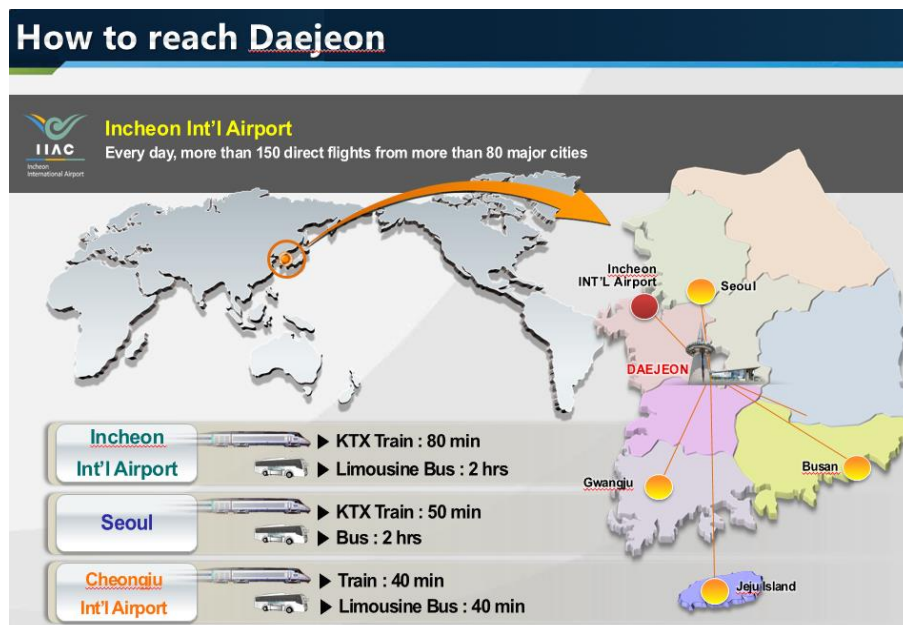
There are three hotels within walking distance from the venue as listed in the table below. In addition, there are many hotels in Daejeon area and public transportation to the venue is available. Some rooms are reserved in block for the Forum with discounted price, and most room reservation can be cancelled without penalty if requested one week earlier than your arrival date.

You can reserve rooms of the Lotte City Hotel and the Hotel ICC online. To reserve rooms of the Guest House, please send your reservation details to Mr. Beomsoo Joo (bjoo@ibs.re.kr).

	Website	Single room	Double room
Lotte City Hotel, Daejeon	<a href="http://www.lottehotel.com/city/daejeon/en/Default.asp">http://www.lottehotel.com/city/daejeon/en/Default.asp</a>	126,500 KRW w/o Breakfast 146,500 KRW w Breakfast	
Hotel ICC	<a href="http://hotelicc.com/eng/index.do">http://hotelicc.com/eng/index.do</a>	67,500 KRW* w Breakfast	85,500 KRW* w Breakfast
Guest House	<a href="https://gh.innopolis.or.kr/index_e.php">https://gh.innopolis.or.kr/index_e.php</a>	40,000 KRW w/o Breakfast <sup>&amp;</sup> 1\$~1130 KRW (Oct, 2017)	55,000 KRW w/o Breakfast
		* Subject to change in 2018	<sup>&amp;</sup> Breakfast set: 5,500 KRW



## 7. Transportation



More details of transportation from Incheon airport to the hotels can be found in the end of this circulation.

## 8. Visa application

If you need a personal letter of invitation to attend the Forum, please email to [jwkim@ibs.re.kr](mailto:jwkim@ibs.re.kr) and provide the following information:

- Full name and Affiliation
- Complete mailing address
- Email address
- Phone number

The invitation letter for Visa application will be emailed to you. A hard copy could be mailed as per your request.

## 9. Industrial exhibition

The industrial exhibition will be an opportunity for the industries to show their products to the community of accelerators and experimental physics. The booth reservation for the exhibition is due by Dec 29, 2018. The allocation of the booths will be made on a "first come - first served" basis so we highly recommend reserving one early. The fee charged is around 2000 USD for a single booth and 3000 USD for a double booth.

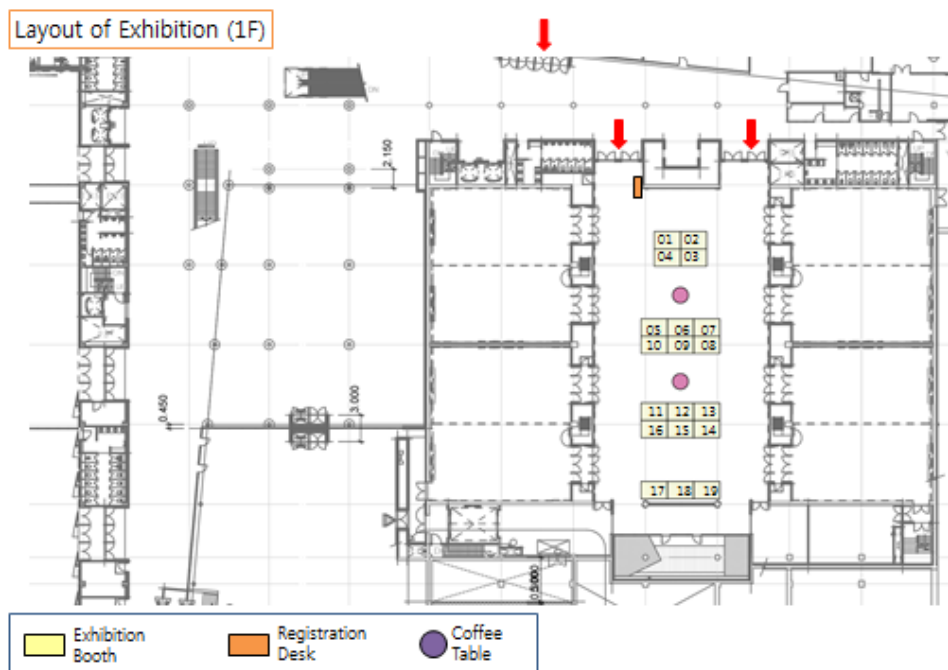
### Contact information:

Dr. Jang-Min Han

Email: [jmhan001@ibs.re.kr](mailto:jmhan001@ibs.re.kr)

Tel: +82-42-878-8749

CC: Dr. Jongwon Kim at [jwkim@ibs.re.kr](mailto:jwkim@ibs.re.kr)





## 10. Local Organizing Committee

Sun-Chan Jeong (RISP/IBS) Chair

Hoe-Chun Jung (RISP/IBS)

Jongwon Kim (RISP/IBS, Korea Univ. Sejong Campus)

Beomsoo Joo (RISP/IBS)

Sungju Park (PAL/POSTECH)

Kihyeon Cho (KISTI)

Hyyong Suk (GIST)

Eun-San Kim (Korea Univ. Sejong Campus)

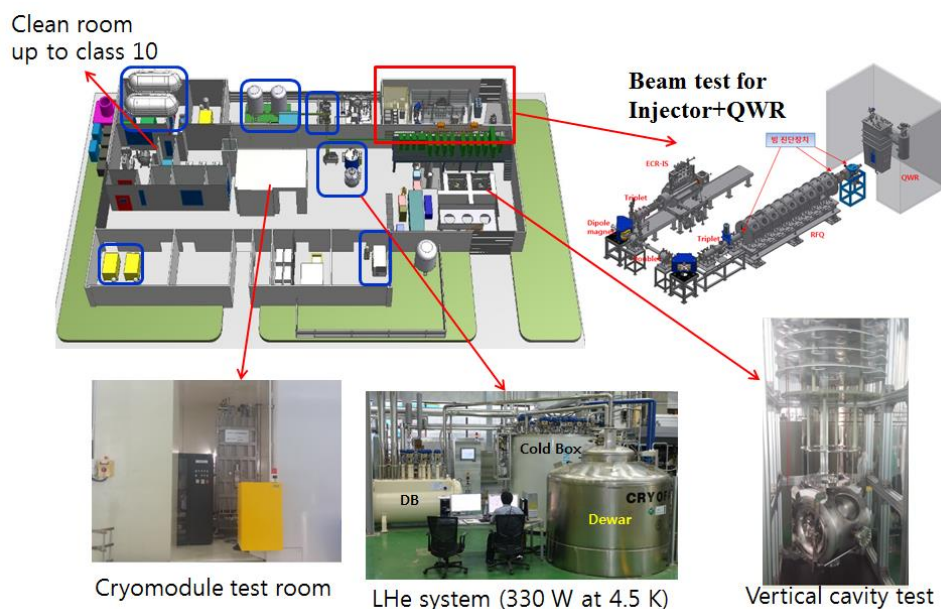
## 11. Contact Information

Jongwon Kim email: [jwkim@ibs.re.kr](mailto:jwkim@ibs.re.kr)

Beomsoo Joo email: [bjoo@ibs.re.kr](mailto:bjoo@ibs.re.kr)

## 12. Lab tour on January 30

The SRF Test Facility is located in the Munji-campus of KAIST, where is a 10 minute driving distance from the DCC. Two buses will be operated for transportation.



## 13. Excursion on January 31

An excursion is planned on Jan. 31 to visit Gongju-Buyeo area, where is a part of UNESCO World Heritage site. This area is rich in the history of an old Kingdom of Baekjae (白濟, BC



18 ~ AD 660). Baekjae had intimate relationship with old China and Japan, and some historical sites will be visited. The tour has been arranged by Hana Tour (<https://www.hanatour.com>), which is the largest tour company in Korea.

The tour schedule is as follows:

Area	Time	Schedule
Daejeon	9:00	Daejeon --> Gongju
Gongju		Korean Traditional Village National Museum of Gongju Tomb of King Mu-ryeong of Baekjae Gongju--> Buyeo
	12:00	Lunch (with rice wrapped in a lotus leaf)
Buyeo		Stone Pagoda of JeongRim Temple, Exhibition Hall Buso Castle, Nakhwaam Rock Cruise (Baekma river), Goran Temple
	18:00	Buyeo --> Daejeon

Please indicate your intention of taking the tour when you register at the website. **The tour fee shall be paid at the reception desk with cost: 96,000 KRW (~\$92). We will also provide opportunity for all registrants to participate the Tour with the payment at the desk on Jan. 28 and 29.**

### *The Gonju National Museum*



Exhibitions I features artifacts excavated from the tomb of King Muryeong, the 25th king of the Baekje Kingdom (r. 501-523). The items are exhibited and organized to help the visitor understand the culture of Baekje from this time period.

Some 4,600 artifacts, representing 108 different types, were excavated from the tomb of King Muryeong, which was discovered in 1971 inside a large earthen mound in Gongju. Inside the tomb, there was a corridor that contained two stone plaques engraved with epitaphs for the king and queen, as well as a bundle of Wu Shu coins from China. Behind the epitaphs, there was a stone guardian animal facing south, apparently to guard the tomb.

#### **14. Other useful information**

##### **Handy tips**

Tipping is not commonly practiced in Korea.

Korea's electricity supply is 220 V at 60 Hz.

##### **Korean Currency**

The Korean currency is called as Won (₩), One US dollar equals to about 1,100 Won in January, 2018. Currency exchange is most convenient at the Airport and is possible at regional banks in Korea.

## 15. Map of restaurants in DCC area

# DCC area Restaurant Guide

**Legend:**

- Cafe
- Korean Restaurant
- Etc.

**Restaurants and Menu Items:**

- Jajaknamoo (자작나무)**
  - Dumplings [Mandu] : ₩5,000
  - Chopped noodles [Kalguksu] : ₩7,000
  - Sausage Stew [Buda-jjigae] : ₩8,000
- Green Brownie (그린브라우니)**
  - Americano : ₩3,500
  - Bread : ₩2,000
  - Sandwiches : ₩4,000
- Gimgane (김가네)**
  - Dried Seaweed Rolls [Gimbap] : ₩3,000
  - Noodles : ₩5,000
  - Pork cutlet : ₩6,000
- Naru (나루)**
  - Rice with Sliced Raw Fish : ₩8,000
  - Spicy Fish Roe Soup : ₩8,000
- Myeong-eoh (명어)**
  - Bulgogi with Rice [Deopbap] : ₩10,000
  - Sushi : ₩15,000
- Lieto Firenze (리에토피렌체)**
  - Risotto : ₩16,000
  - Pasta : ₩18,000
  - Lunch Special : ₩25,000
- Starbucks Coffee (스타벅스)**
  - Americano : ₩4,100
  - Caffé Latte : ₩4,600
  - Greentea Latte : ₩5,900
- Smart Jumeok-qoo (스마트주먹구미)**
  - Korean Lunch Special (Pork&Stew) : ₩6,000
  - Korean BBQ (For dinner) : ₩9,000
- At France (앳프랑스)**
  - Pasta : ₩15,900
  - Pizza : ₩16,900
  - Steak : ₩18,000
- Coffee Bay (커피베이)**
  - Americano : ₩3,000
  - Caffé Latte : ₩3,800
  - Greentea Latte : ₩4,000
- Itaewon Joongsim (이태원중심)**
  - Shrimp & Rice with Soy Sauce : ₩11,000
  - Salad & Noodles : ₩15,000
- Caffé Pascucci (파스쿠치)**
  - Americano : ₩4,000
  - Caffé Latte : ₩4,500
- BHC Chicken (BHC치킨)**
  - Chicken : ₩15,000
- Gallery Goat Bean (갤러리고트빈)**
  - Americano : ₩3,500
  - Caffé Latte : ₩4,300
  - Juice : ₩3,800

**Other Locations:**

- Golfzone Zoimaru
- Hotel ICC
- Lotte City Hotel
- Daedeok Innopolis
- TJB
- Daejeon Trade Exhibition Center
- DCC (HERE)

**Logos:**

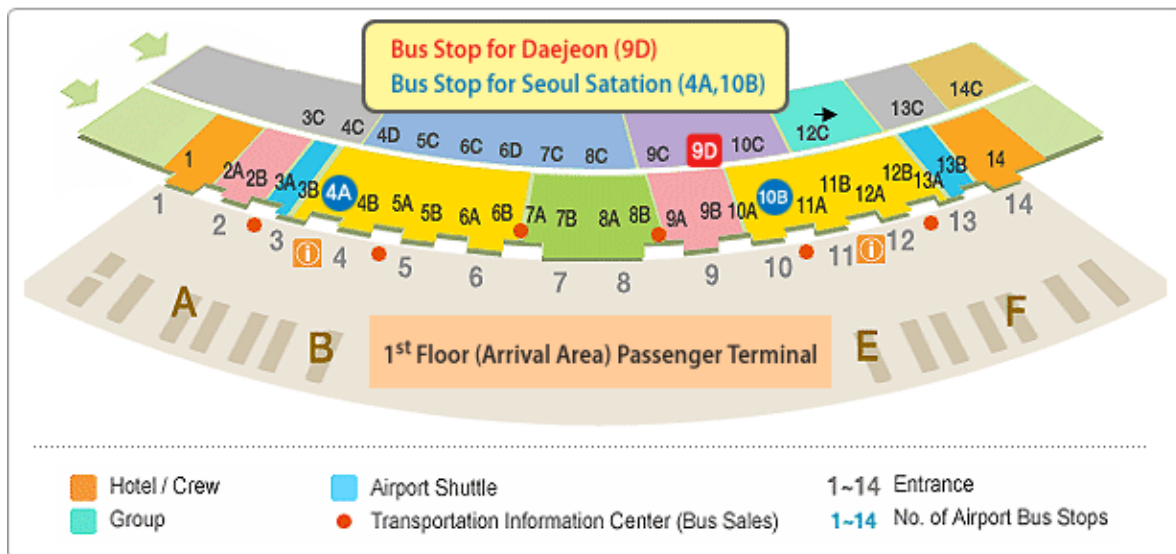
- DIME 대전마케팅공사 Daejeon International Marketing Enterprise
- KOREA TOURISM ORGANIZATION 한국관광공사

# How to get to the Hotels

## From Incheon International airport

### 1) By Limousine Bus

**Route:** Incheon Int'l Airport → Daejeon Government Complex → Hotels (Lotte City, ICC, Guest House)



Take an Airport Limousine Bus from Incheon Int'l Airport to Daejeon Government Complex\*. And take a taxi from Daejeon Government Complex to your Hotel (Lotte, ICC, Guest house, etc.)

\* There are a few bus stops in Daejeon and Daejeon Government Complex is the third bus stop.

Bus Stop	Time	Duration	Fare (KRW) (2016)
9D	06:20 ~ 22:30	~180 min	23,100 (Deluxe)

※ Please refer to the timetable for the limousine services from Incheon Int'l Airport to Daejeon.

### Taxi From Daejeon Government Complex to the Hotels

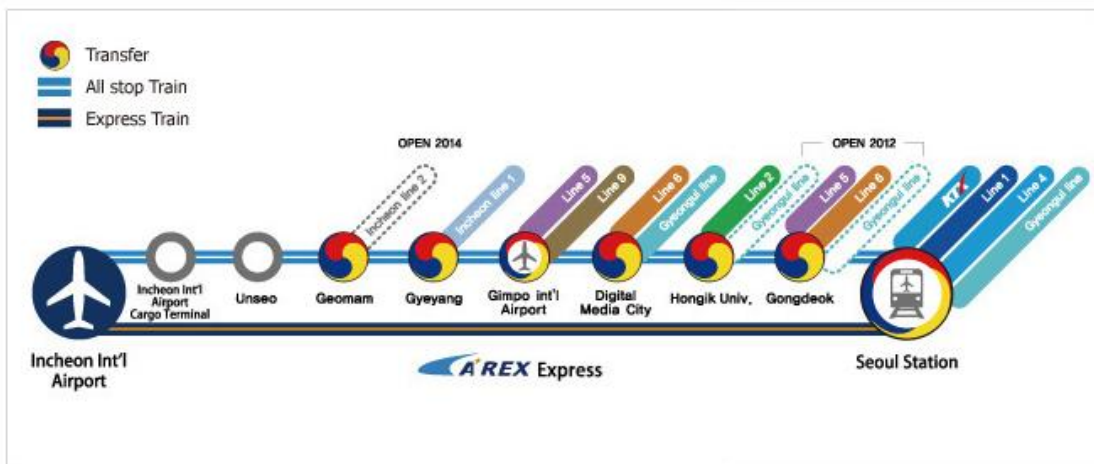
Taxi Stop	Destinstion	Duration	Fare
Daejeon Government Complex	Hotels near DCC	~15 min.	6,000 KRW*

\*The fare can be changed according to the circumstance.

## 2) By train

**Route:** Incheon Int'l Airport → (Seoul Train Station) → Daejeon Train Station → Hotels (Lotte City, ICC, Guest House)

By Train (Airport express) From Incheon Int'l Airport to Seoul Station



**By Train (KTX)** from Seoul station to Daejeon Station: You can book a ticket by yourself via the website of KORAIL.

**KTX from Incheon Airport directly to Daejeon** may not be so frequent.

**By Taxi** From Daejeon Station To the Hotels

Taxi Stop	Destination	Duration	Fare
Daejeon station	Hotels near DCC	~30 min.	10,000 KRW