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WCNDT
2020
SEOUL

20th WCNDT 2020

20th World Conference on Non-Destructive Testing
Coex(Convention & Exhibition Center), Seoul, Korea, June 8~12, 2020

www.wcndt2020.com

ICNDT

The World Organisation for NDT

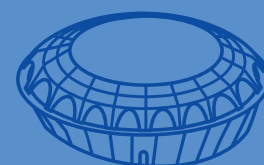


KSNT

The Korean Society for Nondestructive Testing

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WELCOME MESSAGE: CHAIR OF ICNDT

On behalf of the International Committee for NDT (ICNDT), I am delighted to have the honor of inviting the world of NDT to gather in Seoul for the 20th WCNDT in 2020. This is the 40th Anniversary of the Korean Society for NDT; there will be double celebration with the Korean Hospitality.

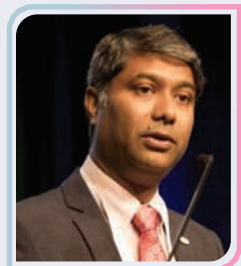
The last World Conference in Asia was held in Shanghai, China in 2008. After 3 cycles, it has returned to the Asia Pacific Region. For Korea, this is the first time to host the world conference although Korea has hosted the Asia Pacific conference twice. We are confident that the Korean Society for NDT (KSNT) will organize one of the greatest World Conferences ever with the very best advanced technology from all around the globe on show, touching the Industry 4.0.

The conference is expected to attract 2,000 delegates and over 200 exhibitors' from all over the world to showcase the best of the latest innovations and technologies. It's never too early to plan your schedule, organize your travel and leisure plans to enjoy the conference and sightseeing. You may want to sponsor one of the events, and it's time to hurry up as booths are limited in availability.

We invite delegates from around the world to present papers, organize a workshop, participate in the conference, learn how to set up an NDT Society, or meet professional colleagues from all around the globe.... as well as enjoying the famous Namdaemun market and Korean food such as Kimchi and Soju.

I would urge member countries, regions and new fledging societies to attend the ICNDT General Assembly, which will be held during the conference.

See you in Seoul!



Dr. Sajeesh Babu
Chair of ICNDT

WELCOME MESSAGE: PRESIDENT OF THE 20TH WCNDT

Dear Distinguished Guests, Colleagues and Friends in NDT and Related Fields,

It's already been almost 3 yrs. since we gathered in the 19th WCNDT, Munich Germany and the 20th WCNDT in Seoul South Korea is just around the corner, only a year ahead! On behalf of ICNDT and KSNT, the hosting society, I'd like to welcome all of you to one of the world largest academic and technical conferences with such a highly renowned tradition and history over 60 years.

KSNT feels so proud and lucky for being the hosting society on behalf of ICNDT because the event can show its maturity of the 40th anniversary and capability with rich experience and technical depth to the world NDT community.

In the sense, KSNT is now vigorously gearing up to welcome all of you to the 20th WCNDT in commemoration to its 40th anniversary celebration under the catch phrase, "NDT for Peace and Prosperity" to reflect its many years' hard working efforts to reach the goals in the Korean Peninsula, which one time in the past, has been a symbolic icon of "Conflict and Poverty". South Korea is one of few unique models to accomplish leading edge technology based industrialization as well as advanced democracy.

KSNT was born in 1980, with the advent of the industrial boost of South Korea and has grown up being a backbone for its economic prosperity. The law for NDT promotion approved by its central government and parliament, which is the first benchmarking case in the world NDT community, simply shows how much concerns and efforts are being made nationwide.

KSNT sometimes identifies the term, NDT as "Never Dying Technology" or "Newly Developing Technology" to enlighten people about its significance. Why don't you come and be a part of this fabulous academic and technical event in the land of the "Morning Calm" KSNT and the organizing committee of the 20th WCNDT are now waiting to welcome all of you in Seoul, Korea June 2020!

See you all in Seoul.
Thank you!



Prof. Younho Cho
President of the 20th WCNDT

WELCOME MESSAGE: PRESIDENT OF KSNT

On behalf of the organizing committee of the 20th WCNDT, it is my great pleasure to invite you to the 20th World Conference on Non-Destructive Testing (WCNDT2020) hosted by the Korean Society for Nondestructive Testing (KSNT) to be held in Coex (Convention and Exhibition Center), Seoul, Korea, June 8-12, 2020 under the auspice of ICNDT.

WCNDT 2020 will provide a dynamic technical program which will be highly informative and instructive for all participants. In addition, the conference will be a real forum to exchange ideas and interact with professional colleagues from all around the world with interest in NDT field. Also, we, the organizing committee, are so confident that WCNDT 2020 will be one of the most successful platforms for networking with NDT experts and inspiring new technical ideas with support from all of you.

KSNT, the host of WCNDT2020, was established in 1980 for the purpose of facilitating academic research and promoting practical applications of NDT techniques, and is now grown to over 4,000 members. Along with WCNDT2020, our society is celebrating our 40th anniversary in 2020. We would be honored to have all delegates commemorate our 40th anniversary.

Seoul, the host city of WCNDT2020, is the capital city that treasures its 600-year-old tradition while embracing the newest technology. In Seoul, you could feel a harmony between the past with historical site such as UNESCO Cultural Heritage and the future with creative innovation such as one of the highest tower in the world.

We look forward to meeting you and your colleagues at the 20th WCNDT in Seoul, which promises to be meaningful and fruitful to all the participants.

“Welcome! 환영합니다! (Hwan-Young-Hab-Ni-Dah)!”



Dr. Jongpo Lee
President of KSNT

INTERNATIONAL STEERING COMMITTEE

CHAIR

Seung-Seok Lee (*KRISS, KR*)

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- | | |
|---|---|
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| Chih-Hung Chiang (<i>CYUT, TW</i>) | Morio Onoe (<i>The University of Tokyo, JP</i>) |
| Younho Cho (<i>Pusan National University, KR</i>) | Norikazu Ooka (<i>JSNDI, JP</i>) |
| Manyong Choi (<i>KRISS, KR</i>) | Un Su Park (<i>Seoultech, KR</i>) |
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| Arthur Every (<i>University of the Witwatersrand, ZA</i>) | Takahide Sakagami (<i>Kobe University, JP</i>) |
| Uwe Ewert (<i>BAM, DE</i>) | Gongtian Shen (<i>ChSNDT, CN</i>) |
| Fermin Gomez Fraile (<i>EFNDT, ES</i>) | Kamal Sahaimi (<i>Qualite Controle Mesure, MA</i>) |
| Chengbin Guo (<i>CAS, CN</i>) | Peter Trampus (<i>University of Dunaujvaros, HU</i>) |
| Soichi Hirose (<i>Tokyo Institute of Technology, JP</i>) | Michael Turnbow (<i>ASME, US</i>) |
| Nam Ho (<i>WCI, KR</i>) | B.Venkatraman (<i>IGCAR, IN</i>) |
| Ikuo Ihara (<i>Nagaoka University of Technology, JP</i>) | Tsung Tsong Wu (<i>National Taiwan University, TW</i>) |
| Harold Jansen (<i>SAIW, ZA</i>) | Chunguang Xu (<i>BIT, CN</i>) |

ADVISORY COMMITTEE

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Ohyang Kwon (*Inha University, KR*)

CO-CHAIR

Sajeesh K. Babu (*ICNDT, SG*)

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| Hwa Mook Chae (<i>Hanyang I&E, KR</i>) | Kyoo Kun Koh (<i>KEPRI, KR</i>) |
| Younho Cho (<i>Pusan National University, KR</i>) | Hae Lee (<i>KIMM, KR</i>) |
| Joao Conte (<i>ABENDI, BR</i>) | Douglas Marshall (<i>CINDE, CA</i>) |
| Mike Farley (<i>ICNDT, GB</i>) | Giuseppe Nardoni (<i>Accademia NDT International, IT</i>) |
| Rong Sheng Geng (<i>Beijing Aeronautical Technology Research Center, CN</i>) | Matthias Purschke (<i>DGZfP, DE</i>) |
| David Gilbert (<i>BINDT, GB</i>) | |



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Kyung-Young Jhang (*Hanyang University, KR*)

VICE CHAIR

Donghoon Kang (*KRRI, KR*)

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| Ki-Bok Kim (*KRISS, KR*)

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| Il-Bum Kwon (*KRISS, KR*)

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- | Hyock Ju Kwon (*University of Waterloo, CA*)
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- | Kyong Mahn Min (*UMI, KR*)
- | Yoshihiro Mizutani (*Tokyo Institute of Technology, JP*)
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- | Kyung-Hyun Park (*ETRI, KR*)
- | Tae Sung Park (*SEOULTECH, KR*)
- | Chan Yik Park (*ADD, KR*)
- | John S. Popovics (*University of Illinois at Urbana-Champaign, US*)
- | Jianmin Qu (*Tufts University, US*)
- | Jong Eun Ryu (*North Carolina University, US*)
- | Sung Woo Ryu (*ENESG, KR*)
- | Gongtian Shen (*ChSNDT, CN*)
- | Tomoki Shiotani (*Kyoto University, JP*)
- | Sung-Han Sim (*UNIST, KR*)
- | Igor Solodov (*University of Stuttgart, DE*)
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- | Zhongqing Su (*The Hong Kong Polytechnic University, HK*)
- | Toshiyuki Takagi (*Tohoku University, JP*)
- | Kosuke Takahashi (*Hokkaido University, JP*)
- | Gui Yun Tian (*Newcastle University, GB*)
- | Michael D. Todd (*UCSD, US*)
- | Bultger Tumendemberel (*Mongolian University of Science and Technology, MN*)
- | Mike Turnbow (*ASME, US*)
- | Lalita Udpa (*Michigan State University, US*)
- | Satish Udpa (*Michigan State University, US*)
- | B.Venkatraman (*IGCAR, IN*)
- | Weibin Li (*Xiamen University, CN*)
- | Chunguang Xu (*BIT, CN*)
- | Chang Jae Yim (*ANSCO, KR*)
- | Hyungchul Yoon (*Chungbuk National University, KR*)
- | Byeng Dong Youn (*Seoul National University, KR*)
- | Shenfang Yuan (*NUAA, CN*)
- | Ho Yeol Zhang (*NHIC Ilsan Hospital, KR*)
- | Hong-Hu Zhu (*Nanjing University, CN*)

IMPORTANT DATES

Abstract Submission (Extended)	November 30, 2019
Notification of Acceptance	December 31, 2019
Registration and Payment of Presenting Authors	January 31, 2020
Preliminary Program	February 29, 2020
Submission of Extended Abstract	March 31, 2020
Submission of Presentation Files	May 31, 2020

PRESENTATION TYPES

During the abstract submission process, you must select only one preferred presentation type from the four options listed below, but the final decision will be made by the scientific committee. You can choose among:

ORAL PRESENTATION

- Power Point presentation
- 20 mins. incl. discussion
- 11 parallel sessions

POSTER PRESENTATION

(Option 1) Poster Board Presentation

- Poster in A0 portrait format
- Poster show is open during a given period of time
- Special attention during the poster and exhibition evening

(Option 2) Poster Board with Short Presentation

- Poster board presentation and additional Power Point presentation (max. 3 slides)
- 5 mins. to announce your poster to the audience for following discussions
- Special attention during the poster and exhibition evening

(Option 3) Poster Board with YouTube Presentation

- Poster board presentation and additional YouTube video presentation
- A video less than 5 mins. to be uploaded to YouTube in advance
- YouTube Awards if the video hits the top three “thumbs up”

CONFERENCE TOPICS

The main topics of interest include (but not limited to):

*Some main topics have subtopics. Please check the abstract submission page for more information.

- | | |
|---------------------------------------|---------------------------------------|
| Acoustic Emission | Infrared Thermography* |
| Acoustic Method | Material Characterization |
| Additive Manufacturing | Micro & Nano Technology |
| Aerospace & Defense | NDT Industry 4.0 (IoT, AI, etc.) |
| Art & Cultural Heritage | NDT Reliability |
| Biomedical Technology | Oil & Gas |
| Certification & Qualification | Optics & Vision Systems |
| Civil Infrastructures | Power Plants* |
| (Smart NDT for Bridges and Buildings) | Public Security & Humanitarian Safety |
| Composite Materials | Sensor & Materials |
| Diffraction & Residual Stress | Structural Health Monitoring & |
| Digital Radiography & Computed | Prognostics and Health Management |
| Tomography* | Terahertz |
| Eddy Current & Electromagnetics* | Transportation |
| Electronic Part | (Automotive, Marine, Railway) |
| Food & Agriculture | Ultrasonics* |
| Green & Echo Technology | Vibration & Condition Monitoring |

PRELIMINARY PROGRAM SCHEDULE

		Morning	Afternoon	Evening
June 7	Sunday	Registration, Booth Building, Meetings		
June 8	Monday	Registration, Opening Ceremony	Parallel Sessions, Exhibition	Welcome Reception (Poster and Exhibition Evening)
June 9	Tuesday	Parallel Sessions, Exhibition		Korean Night
June 10	Wednesday	Parallel Sessions, Exhibition		Gala Dinner
June 11	Thursday	Parallel Sessions, Exhibition		
June 12	Friday	Parallel Sessions, Exhibition	Booth Dismantling, Closing Ceremony	

This is NOT the final program. The program is subject to change.

SPECIAL SESSIONS

| AE and Relevant Technologies to Assess Infrastructures

Organizer: Tomoki Shiotani (*Kyoto University, Japan*)

| Artificial Intelligence in Medical Imaging

Organizer: Hwiyoung Kim (*Yonsei University College of Medicine, Korea*)

| Characterization of Material Degradation: Advanced Techniques

Organizer: Jin-Yeon Kim (*Georgia Institute of Technology, USA*)

| International Thematic Workshop

Organizer: Cheul Muu Sim (*Korea Atomic Energy Research Institute, Korea*)

Subject: 1. AM(3D-printing) & CT

2. Microscope(Ultrasonic, X-ray, Neutron)

3. CT-3D-Rendering Software and its Applications

4. RT & PAUT

| In Vivo Imaging for Drug Discovery and Development

Organizer: Sang Hyun Park (*Korea Atomic Energy Research Institute, Korea*)

| NDT of Civil Engineering Materials and Structures

Organizer: Jin-Yeon Kim (*Georgia Institute of Technology, USA*)

| Nondestructive Sensing for Agriculture and Food Materials

Organizer: Byoung-Kwan Cho (*Chungnam National University, Korea*)

| Nondestructive Testing for Archeology and Cultural Heritage

Organizer: B. Venkatraman (*Indira Gandhi Centre for Atomic Research, India*)

| Nondestructive Ultrasound Techniques in Medicine and Biology

Organizer: Jae Youn Hwang (*Daegu Gyeongbuk Institute of Science & Technology, Korea*)

| Nonlinear Ultrasonic Testing

Organizer: Igor Solodov (*University of Stuttgart, Germany*)

| Remote NDT Techniques for Structural Health Monitoring

Organizer: Peter W. Tse (*City University of Hong Kong, Hong Kong*)

| SHM/NDT on AI

Organizer: Yoshihiro Mizutani (*Tokyo Institute of Technology, Japan*)

Dae-Hyun Kim (*Seoultech, Korea*)

Roger Groves (*Technical University Delft, Netherlands*)

Antolino Gallego (*Granada University, Spain*)

Nathalie Godin (*INSA Lyon, France*)

Yoji Okabe (*The University of Tokyo, Japan*)

Tetsuya Uchimoto (*Tohoku University, Japan*)

Kazuyuki Nakahata (*Ehime University, Japan*)

Takahiro Hayashi (*Osaka University, Japan*)

| Ultrasonic NDE of Structural Materials (Invitation Only)

Organizer: Andrea P. Arguelles (*The Pennsylvania State University, USA*)

Christopher M. Kube (*The Pennsylvania State University, USA*)

| Welding

Organizer: Sehun Rhee (*Hanyang University, Korea*)

ABSTRACT SUBMISSION GUIDELINES

You are invited to submit abstracts in accordance with the following guidelines:




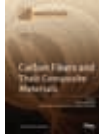






- Registration of papers will only be considered if they are submitted completely together with all requested data and abstracts.
- If a student wants to present two papers or more, then the full registration is required.
- Contributions have to be submitted and presented in English as translation into other languages will not be provided.
- All abstracts have to be submitted online at www.wcndt2020.com by **November 30, 2019**, and the abstract must have a minimum of 200 words.
- Authors have to classify their abstracts into the given topics (page 10); two topics can be selected in order of priority.
- Authors who wish to submit abstracts to special sessions can select the abstract type as a special session on the online submission page.
- Authors should indicate their preference for oral presentation or poster presentation. However, the final decision will be made by the scientific committee.
- Authors will be informed about the acceptance of their contributions by **December 31, 2019**.
- Authors whose abstract was accepted have to register via the online form and pay the registration fee, which is non-refundable; The contributions from authors who have not paid the registration fee by **January 31, 2020** will be canceled.
- The extended abstracts (At least 2 pages, Up to 4 pages) of accepted abstracts must be submitted for inclusion in the conference proceedings by **March 31, 2020**.
- The 20th WCNDT 2020 has arranged special issues with 10 SCI(E) international journals listed on the next page. Authors who wish to submit full length papers that will be peer-reviewed for publication in a special issue of archival journals, please refer to the instructions that will be posted when the online Extended Abstract submission system is opened.

ABSTRACT SUBMISSION PROCESS

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Sign up or Login to '20 th WCNDT 2020' Website. (www.wcndt2020.com)	Go to 'Conference - Submission'.	Click 'Abstract Submission'.	Check the Registrant's information and Enter the author's information and category.	Enter the title and contents of the abstract and Click "Submission" to finish!

SCI(E) JOURNALS LIST

The 20th WCNDT 2020 has arranged special issues with the following SCI(E) international journals.

No.	Journal		Journal Rating	Impact Factor (2018)
1	Structural Health Monitoring Jung-Ryul Lee (KAIST, KR)		SCI(E)	IF: 4.939
2	Smart Structures and Systems Hoon Sohn (KAIST, KR)		SCI(E)	IF: 3.622
3	Sensors Seunghee Park (Sungkyunkwan University, KR)		SCI(E)	IF: 3.031
4	Materials Donghoon Kang (KRII, KR)		SCI(E)	IF: 2.972
5	Journal of Intelligent Material Systems and Structures Gyuhae Park (Chonnam National University, KR)		SCI(E)	IF: 2.582
6	Applied Sciences Il-Bum Kwon (KRISS, KR)		SCI(E)	IF: 2.217
7	Measurement Science and Technology Jung-Ryul Lee (KAIST, KR)		SCI	IF: 1.861
8	Nuclear Engineering and Technology Cheul Muu Sim (KAERI, KR)		SCI(E)	IF: 1.546
9	Advanced Composite Materials Jung-Ryul Lee (KAIST, KR)		SCI	IF: 1.393
10	Noise Control Engineering Journal Nohyu Kim (KOREATECH, KR)		SCI(E)	IF: 0.613

PLENARY SPEAKERS



Industry 4.0 – Challenge or Chance for Tomorrows NDT

Prof. Dr. Randolph Hanke

Fraunhofer Institut für Zerstörungsfreie Prüfverfahren IZFP, Germany



Neutrinos - Key Particles for Our Understanding of the Smallest Particles and the Largest Universe -

Prof. Takaaki Kajita

2015 Nobel Laureate in Physics, The University of Tokyo, Japan

Wednesday, June 10, 2020

One more plenary speech by a Korean delegate will be scheduled.

KEYNOTE SPEAKERS

- | | |
|---|--|
| Philip Ashwin (<i>Electric Power Research Institute, US</i>) | Xavier Maldague (<i>Université Laval, CA</i>) |
| Paolo Bison (<i>CNR-ITC, IT</i>) | Giuseppe Nardoni (<i>Accademia NDT International, IT</i>) |
| Leonard J. Bond (<i>Iowa State University, US</i>) | Yi Qing Ni (<i>The Hong Kong Polytechnic University, HK</i>) |
| Peter Cawley (<i>Imperial College London, GB</i>) | John S. Popovics (<i>University of Illinois at Urbana-Champaign, US</i>) |
| Zhenmao Chen (<i>Xi'an Jiaotong University, CN</i>) | Joseph L. Rose (<i>Penn State, US</i>) |
| Jean Dumoulin (<i>IFSTTAR, FR</i>) | Gongtian Shen (<i>ChSNDT, CN</i>) |
| Manabu Enoki (<i>The University of Tokyo, JP</i>) | Tomoki Shiotani (<i>Kyoto University, JP</i>) |
| Uwe Ewert (<i>BAM, DE</i>) | K. Kirk Shung (<i>University of Southern California, US</i>) |
| Xiaorong Gao (<i>Southwest Jiaotong University, CN</i>) | Igor Solodov (<i>University of Stuttgart, DE</i>) |
| Vitalyi Gusev (<i>Le Mans Université, FR</i>) | Takahide Sakagami (<i>Kobe University, JP</i>) |
| Sohichi Hirose (<i>Tokyo Institute of Technology, JP</i>) | Pavel Trtik (<i>PSI, CH</i>) |
| Jeong-Beom Ihn (<i>The Boeing Company, US</i>) | Lalita Udpa (<i>Michigan State University, US</i>) |
| Laurence J. Jacobs (<i>Georgia Institute of Technology, US</i>) | Vladimir P. Vavilov (<i>Tomsk Polytechnic University, RU</i>) |
| Tribikram Kundu (<i>University of Arizona, US</i>) | B.Venkatraman (<i>IGCAR, IN</i>) |
| Ken Loh (<i>UCSD, US</i>) | |

INVITED SPEAKERS

- | | |
|---|--|
| Krishnan Balasubramaniam (<i>Indian Institute of Technology Madras, IN</i>) | Gerd Manthei (<i>Technische Hochschule Mittelhessen, DE</i>) |
| Jean-Christophe Batsale (<i>University of Bordeaux, FR</i>) | Joaquim Gabriel Mendes (<i>University of Porto, PT</i>) |
| Shiro Biwa (<i>Kyoto University, JP</i>) | Yoshihiro Mizutani (<i>Tokyo Institute of Technology, JP</i>) |
| Takahiro Hayashi (<i>Osaka University, JP</i>) | Kyung-Hyun Park (<i>ETRI, KR</i>) |
| Timothy D. Huang (<i>Jilin University, CN</i>) | Christophe Reboud (<i>CEA LIST, FR</i>) |
| Ikuo Ihara (<i>Nagaoka University of Technology, JP</i>) | Zhongqing Su (<i>The Hong Kong Polytechnic University, HK</i>) |
| Yukio Kawano (<i>Tokyo Institute of Technology, JP</i>) | Toshiyuki Takagi (<i>Tohoku University, JP</i>) |
| Kodo Kawase (<i>Nagoya University, JP</i>) | Gui Yun Tian (<i>Newcastle University, GB</i>) |
| Moon S. Kim (<i>Agricultural Research Service, USDA, US</i>) | Jeff Weed (<i>COG, CA</i>) |
| Se-Gon Kwon (<i>Korail Research Institute, KR</i>) | Wayne Wilkison (<i>Zetec, US</i>) |
| Changwoo Lee (<i>KIMM, KR</i>) | Chunguang Xu (<i>BIT, CN</i>) |
| Cliff Lissenden (<i>Penn State, US</i>) | Robert Zboray (<i>EMPA, CH</i>) |

REGISTRATION FEES

All fees will be charged in USD.

Registration		Before January 31, 2020	After February 1, 2020	On-site June 7-12, 2020
Conference Fees	Participants (Full)	1,150	1,250	1,350
	Retired/Meetings	700	750	800
	Students*	600	650	700
Companion Fee		400	450	500

The access to the Conference venue including Exhibition area will not be permitted for the persons who have not paid their registration fee.

- The conference fee includes the session attendance, lunch, refreshments, program package, e-proceedings, 10,000 KRW card for public transportation in Seoul, and tickets for the exhibition, the welcome reception, the "Korean Night" and the gala dinner.
- Retirees and students will be requested to submit the proof of enrollment or retirement while registering online.
- Presenting authors have to pay the registration fee by January 31, 2020.
- The category of Meetings is only applied to the ICNDT representatives and ISO representatives.
- The companion fee includes the lunch, refreshments, and tickets for the welcome reception, the "Korean Night" and the gala dinner. Participation in the scientific program is not permitted. Reservations for companions are available only after the conference registration.
- * Student must be currently enrolled in a college or university as an undergraduate or graduate student. Applicants for student rates must send a scanned copy of their valid enrollment status or student identification card in ENGLISH. It must also be presented on-site when collecting registration material.

CANCELLATION POLICY

1. For Presenting Authors: No refunds
2. For Other Participants:
 - By March 31, 2020, 50% of the registration fee
 - From April 1, 2020, No refunds
3. All refunds will be made after the end of the conference.

SOCIAL PROGRAMS

Welcome Reception (Poster and Exhibition Evening) - Coex Hall B
Monday, June 8, 2020

Gala Dinner - Coex Hall D
Wednesday, June 10, 2020

Korean Night - Location/Date to be announced later.

VENUE: COEX(CONVENTION & EXHIBITION CENTER)



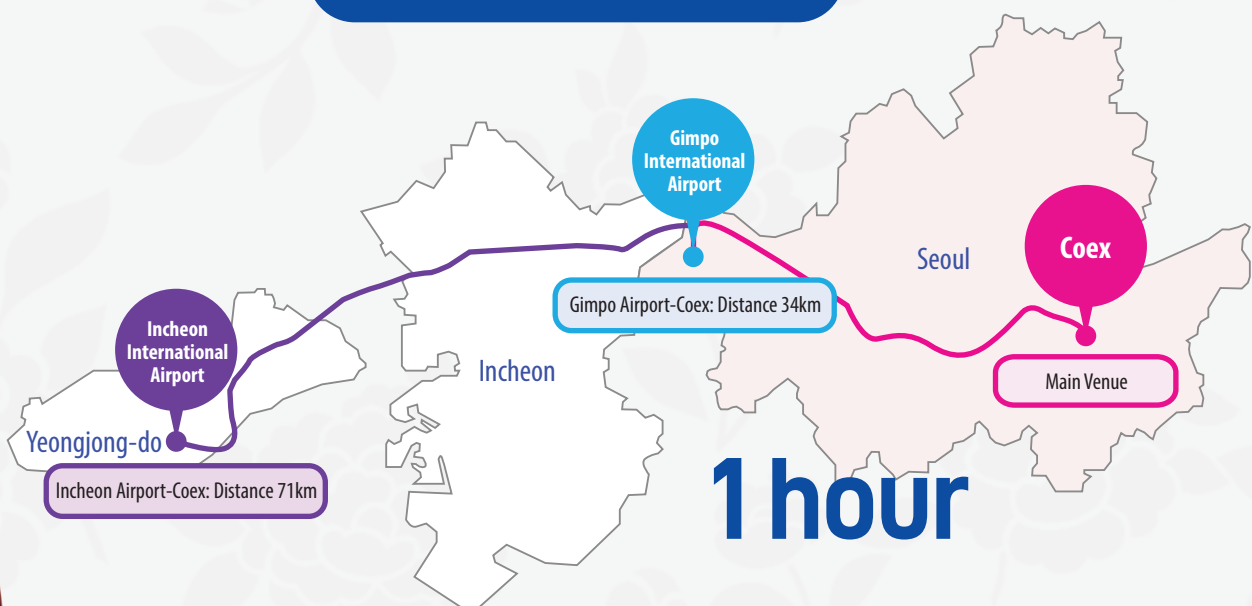
Coex(Convention and Exhibition Center)

513, Yeongdong-daero, Gangnam-gu, Seoul 06164, Korea

<http://www.coex.co.kr>

The 20th WCNDT will be held at the Coex(Convention and Exhibition Center), one of the largest convention and exhibition centers in Asia. Coex has provided a global exchange platform for exhibitions and international conferences and has become the MICE business hub of Asia as a great exhibition venue and tourist attraction with the comprehensive infrastructure for global businesses. For more information about COEX, please visit our website.

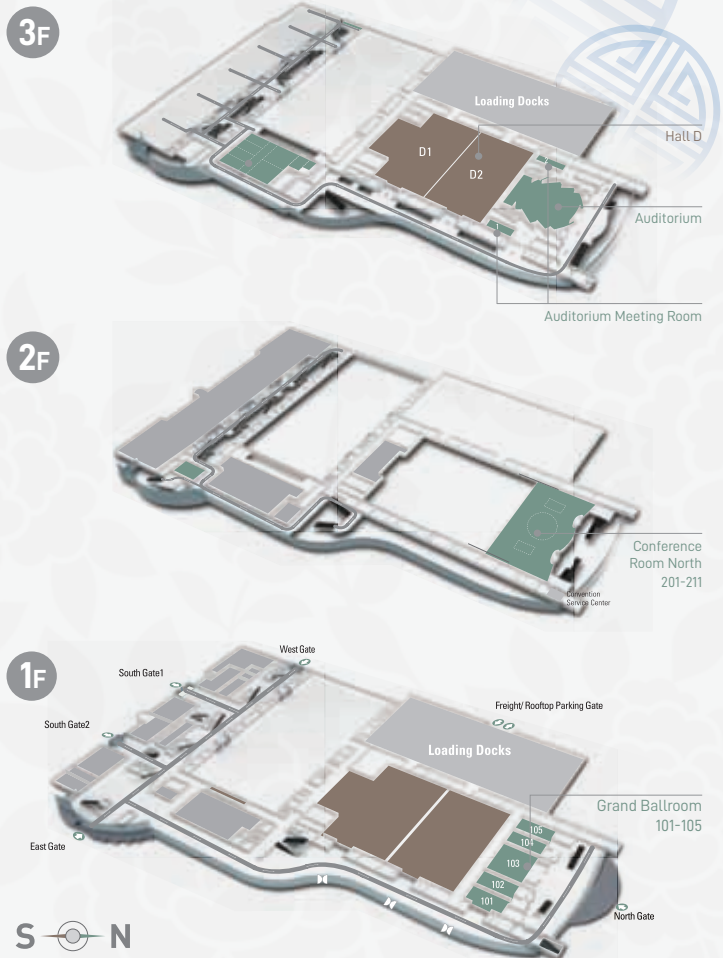
Easy Access To Coex



CONFERENCE AREA

Coex is comprised of four stories above ground with 36,007m² of exhibition space and a floor area of 460,000m². The four exhibition halls can be partitioned into 12 separate spaces, including a convention hall with space for up to 7,000 people. Coex's conference facilities boast 55 meeting rooms, equipped with state-of-the-art equipment and operated by a cutting-edge building management system.

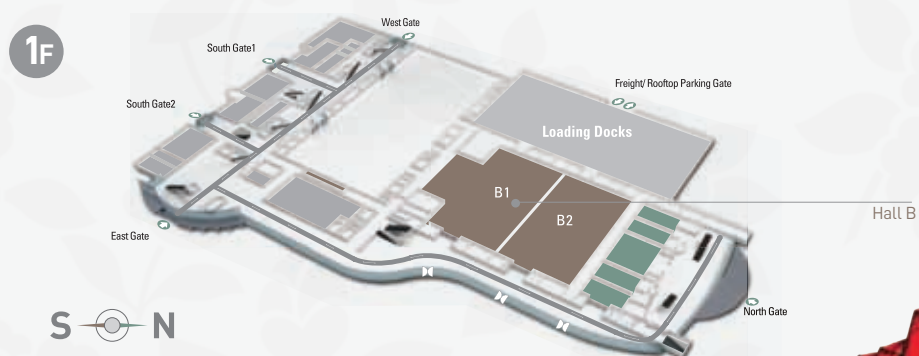
The 20th WCNDT will use all the conference rooms in the north area, including Grand Ballroom and Auditorium.



EXHIBITION AREA

Coex 1st Floor _ Hall B

Hall B consists of a 7,290m² exhibition hall and a swing space. With a minimum number of pillars, the hall accommodates up to 360 booths and can be used flexibly.



EXHIBITION FLOOR PLAN

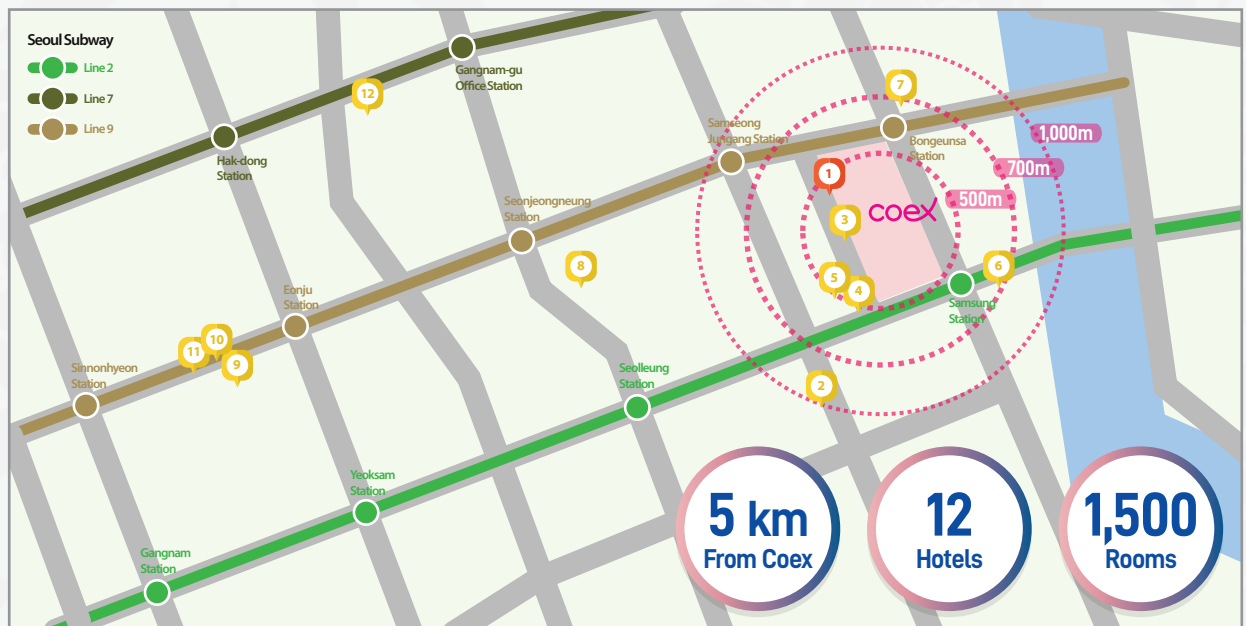


*The layout of the booths may be subject to change.

ACCOMMODATION

The Organizing Committee of the 20th WCNDT is pleased to offer a list of conference hotels with special consideration on security, accessibility, and rates. A full list of hotels and more detailed information including special room rates are available at the official website.

www.wcndt2020.com/06/0604.do



No.	From Coex	Hotel Rating	Hotel	Price	
1	0.1 km	★★★★★	Coex Intercontinental Seoul Hotel	278,300 ~	Superior ~
2	1.2 km	★★★★	Ibis Styles Ambassador Gangnam	110,000 ~	Superior ~
3	0.5 km	★★★★★	Oakwood Premier Coex Center Seoul	302,500 ~	Studio Superior ~
4	0.7 km	★★★	Peyto Hotel Samseong	100,000 ~	Superior Single ~
5	0.8 km	★★★	URI& Hotel	132,000 ~	Superior ~
6	1.1 km	★★★	Glad Gangnam Hotel	143,000 ~	Standard ~
7	0.5 km	★★★	Hotel in 9	148,500 ~	Double ~
8	1.7 km	★★★★	Ramada Seoul	120,000 ~	Superior ~
9	2.9 km	★★★★	Samjung Hotel	120,000 ~	Double ~
10	3.0 km	★★★	Gangnam Family	105,000 ~	Double ~
11	3.1 km	★★★	Best Western Premier Gangnam	110,000 ~	Single ~
12	3.7 km	★★★★★	Imperial Palace Seoul	193,600 ~	Superior Double ~

(All rates will be charged in KRW.)

(The room rates may be subject to change at the time of reservation.)

HOST CITY: SEOUL



Seoul, a Metropolitan City with Tradition and History

Seoul, located to the west of the central region of the Korean Peninsula, has over the centuries assumed great strategic importance in the nation's politics, economy, society and culture. Seoul has a more than 600 years of history as the nation's capital and has become a vibrant, metropolitan city with a magical mix of tradition and modernity.

Seoul provides all the possible conveniences and world-class facilities of an international metropolis that it is today, and the 1,400 flights scheduled weekly from major cities will ensure that your visit is convenient and comfortable.

Seoul has hosted many international events including 1986 Asian Games, 1988 Olympic Games, 2002 Korea/Japan FIFA World Cup and PyeongChang 2018 Olympic Winter Games. The success of these events has shown the world that Seoul is a truly global city.

SEOUL CITY TOURS

The Seoul City Tour Bus provides organized shuttle tours to the city's most popular attractions. For the price of just a single ticket, you can spend all day hopping on and hopping off the bus as it follows a circular route connecting Seoul's top sightseeing destinations.

For first-time visitors, there is no better way to discover the city.

Participants who wish to sign up for the Seoul City Tours, please go to www.seoulcity-bus.com or access the next QR code.



| Courses - Seoul City Tour Buses follow a variety of routes, divided by theme.

Downtown Palace Namsan Course

This 22-stop course takes you past not only Seoul's historic royal palaces, but also to popular tourist destinations such as Namsan Seoul Tower, Myeong-dong, Itaewon, Namdaemun Market and the National Museum of Korea.

Panorama Course

Get some sweeping views of Seoul from this 14-stop tour that takes you to Namsan, Cheonggyecheon Stream, the Hangang River and other scenic spots.

Around Gangnam Course

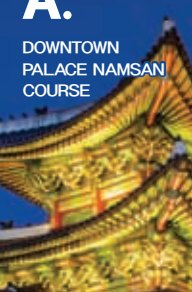
Enjoy the sights of Gangnam by riding a comfortable trolley bus. This course will take you to all the major sites and attractions like Seonjeongneung Royal Tomb, COEX, Lotte World Tower, Sebitseom Island, Seorae Village, and more.

Night Course

Spend a romantic evening by cruising around the city. This course lets you enjoy Seoul's electrifying night time vistas, both from above (Namsan Seoul Tower) and below (along the Hangang River).

Station Information for Seoul City Tour

A.
DOWNTOWN
PALACE NAMSAN
COURSE



Adult 18,000WON(KRW)
Child 12,000WON(KRW)

B.
PANORAMA
COURSE



Adult 18,000WON(KRW)
Child 12,000WON(KRW)

C.
AROUND
GANGNAM COURSE

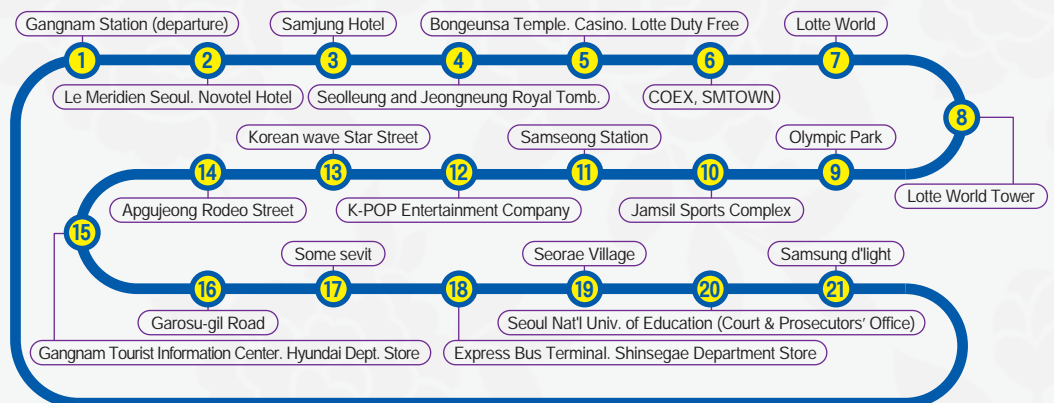
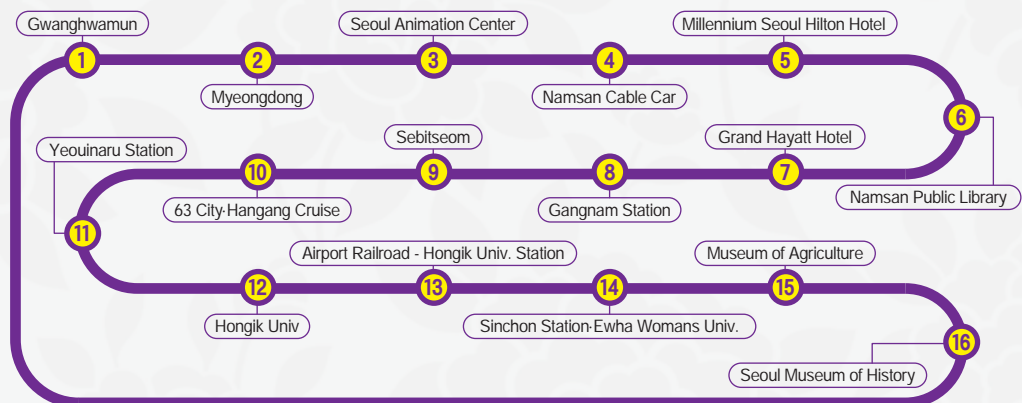


Adult 15,000WON(KRW)
Child 12,000WON(KRW)

D.
NIGHT COURSE



Adult 15,000WON(KRW)
Child 9,000WON(KRW)



SPONSORSHIP

As a sponsor of the 20th WCNDT, we hope to create a lasting memory for all participants. We guarantee professional assistance in the implementation of sponsorship concepts and your advertising strategy. For that reason, we are pleased to offer four different sponsoring categories:

All fees will be charged in USD.

EXCLUSIVE SPONSOR

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GOLD SPONSOR

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Welcome Reception 10 passes
Exhibition Visit 20 day passes
One Room for presentation or discussions & More benefits

SILVER SPONSOR

50,000

Gala Dinner 5 passes & Other Evening Event 5 passes
Welcome Reception 5 passes
Exhibition Visit 15 day passes & More benefits

BRONZE SPONSOR

10,000

Exhibition Visit 10 day passes & More benefits

Contact Us

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- Tel: +82-2-6257-7568
- Fax: +82-2-582-2743
- Email: secretariat@wcndt2020.com
- Website: www.wcndt2020.com

Inspection and Measurement Solutions

Olympus designs and manufactures a range of innovative NDT products and solutions developed with a commitment to technology, design, and user friendliness.

We partner with our industrial customers to help them solve complex inspection challenges using our wide variety of technologies. Our products are used in a broad range of applications in markets including:

aerospace	chemical	manufacturing
power generation	transportation	mining
oil & gas	welding	recycling

Our commitment to designing quality products is directly linked to our customers' responsibility to ensure safety, quality and reliability by complying with the highest industry standards and regulations, to help people lead safe and productive lives.

The Korean Society for Nondestructive Testing

903 KOFST Center Suite, 22 Teheran-ro 7-gil, Gangnam-gu, Seoul 06130, Korea
Phone: +82-2-6257-7568, Fax: +82-2-582-2743

Conference Secretariat

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Exhibition Secretariat

E-mail: exhibition@wcndt2020.com



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