

UPDATED ANNOUNCEMENT & CALL FOR PAPERS

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Incheon
Metropolitan City



20th WCNDT

20th WCNDT

20th World Conference on Non-Destructive Testing

Songdo Convensia, Incheon, Korea

February 28~March 4, 2022



ICNDT

The World Organisation for NDT

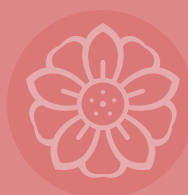
KSNT

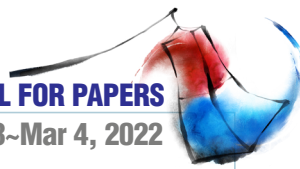
www.20thwcndt.com



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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 Incheon for the WCNDT next year. Indeed the COVID-19 pandemic has disrupted the global economy and confined us to our homes as world economy came to a stand still and near negative. We are seeing borders are reopening and there are signs of improvement from hard hit countries and others following the peak. Our plan of having the 20th WCNDT this year was not spared either, with the efforts made by KSNT organizing committee the conference is now postponed to 28th February to 4th March 2022. The scale of damage to the economy and our industry are unprecedented.

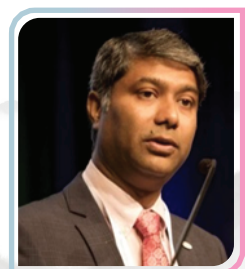
Amidst the economic adversity, we see great growth opportunity in the digitalization, remote sensing, industrial 4.0 and unconventional testing, interpretation & inspection methods. We remain optimistic towards brighter days as we continue to bring global minds together to set the new norm and standard.

For Korea & KSNT, 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 recovering from this pandemic.

The conference is still expected to attract over 2,000 delegates and over 200 exhibitors' from all over the world to showcase the best of the latest innovations and technologies. Although the conference is next year, it would be a new normal in traveling, socializing and we would face challenges to get everyone in one roof with same freedom as we enjoyed before. We expect a green lane for COVID-19 control countries and would require additional testing or by that time if a vaccine is available would also be a solution. The team from KSNT would prepare all necessary social distancing measures while making this conference & exhibition to the new industrial normal.

We invite delegates from around the world to present your papers, organize workshops, participate in the conference, meet professionals from all around the globe in a new beginning of mankind. Let us support the manufacturers of NDT Equipment and Systems who expect to showcase the cutting edge technologies for our implementation to the industry.

I would urge member countries, regions and new fledging societies to attend the ICNDT General Assembly, which is being scheduled during the conference. See you in Korea, Stay Safe, Stay Healthy.



Dr. Sajeesh K. Babu
Chair of ICNDT



WELCOME MESSAGE

PRESIDENT OF WCNDT

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

It's already been almost 5 yrs. since we gathered in the 19th WCNDT, Munich Germany and the 20th WCNDT in Incheon 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 "*Act for NDT Promotion*" was legislated by the Korean Government and National Assembly in 2005, which is probably the first benchmarking case in the world NDT community, simply shows how much concerns and efforts are being made nationwide.

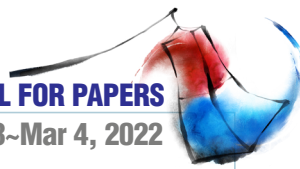
KSNT sometimes identifies the term, NDT as "Never Dying Technology" or "Newly Developing Technology" to enlighten people about its significance. Why don't you come and be a part of this fabulous academic and technical event in "*the Land of Morning Calm*". KSNT and the organizing committee of the 20th WCNDT are now waiting to welcome all of you in Incheon, Korea, February 2022!

We hope you and your families are staying safe during this COVID-19 pandemic situation and look very much forward to seeing all of you in good health in Incheon next year.

Thank you!



Prof. Younho Cho
President of WCNDT



WELCOME MESSAGE

CHAIR OF ORGANIZING COMMITTEE

On behalf of the organizing committee, it is my great honor and pleasure to invite you to the 20th World Conference on Non-destructive Testing (20th WCNDT) hosted by the Korean Society for Non-destructive Testing (KSNT), which will be held from February 28 to March 4, 2022, at the Songdo Convensia Incheon, Korea under the auspice of the International Committee for Non-Destructive Testing (ICNDT).

20th WCNDT will provide a wealth of scientific program which will be highly informative and instructive for all participants. Over 200 exhibitors from all parts of the world will open exhibition booths and more than 1,000 academic papers will be presented to cover both fundamentals of technology and applications for various fields. Most notably, stimulating programs will be organized to address the issues of future technologies related to Industry 4.0. Last but not least, in addition to providing a significant platform for exchanging valuable ideas, 20th WCNDT will offer its participants a chance to socialize and interact with colleagues and friends from all parts of the world.

The city of Incheon in Korea is the most optimal location to hold the forthcoming 20th WCNDT. It is an ancient city which looks to the future, embracing “smart”urbanization to ensure that technological developments are in balance with the natural environment and the lives of the people who live there. As a port city, it has long played a role as the gateway between Korea and the outside world, serving to make the country the beacon of modernity as it is today.

In particular, the Songdo Convensia is located in the Songdo International City, a smart and a new up-and-coming city that is built along Incheon’s waterfront. As one of the next generation global cities in Incheon, it creates romantic mood to its signature feature with a number of cutting-edge infrastructures including residential areas, industrial complexes, and all the way up to culture & art attractions. Within an hour’s distance from Seoul, you will be given the opportunity to experience a mix of diverse cultures and world-class urban life.

20th WCNDT organizing committee is committed to having a very safe and much more fruitful Conference which will definitely provide the unforgettable experience for all of participants.

We sincerely look forward to welcoming you to the 20th WCNDT in the beautiful and historical host city of Incheon.



Prof. Ik-Keun Park
President of KSNT



INTERNATIONAL STEERING COMMITTEE

CHAIR

Seung-Seok Lee (KRISS, KR)

MEMBERS

- Jan D. Achenbach (Northwestern University, US)
- Cesar Belinco (CNEA, AR)
- Leonard J. Bond (Iowa State University, US)
- Patrick Brisset (IAEA, AU)
- Scott Cargill (MISTRAS, US)
- Peter Cawley (Imperial College London, GB)
- Fu-Kuo Chang (Stanford University, US)
- Chih-Hung Chiang (CYUT, TW)
- Younho Cho (Pusan National University, KR)
- Manyong Choi (KRISS, KR)
- Yuris A. Dzenis (UNL, US)
- Arthur Every (University of the Witwatersrand, ZA)
- Uwe Ewert (BAM, DE)
- Fermin Gomez Fraile (EFNDT, ES)
- Chengbin Guo (CAS, CN)
- Soichi Hirose (Tokyo Institute of Technology, JP)
- Nam Ho (WCI, KR)
- Ikuo Ihara (Nagaoka University of Technology, JP)
- Harold Jansen (SAIW, ZA)
- Teruo Kishi (The University of Tokyo, JP)
- Vjera Krstelj (University of Zagreb, HR)
- Tribikram Kundu (University of Arizona, US)
- Jong Po Lee (ANSCO, KR)
- Roger Lyon (EFNDT, GB)
- Xavier Maldague (Université Laval, CA)
- Alexander Mullin (RTC Testing and Diagnostics, RU)
- Morio Onoe (The University of Tokyo, JP)
- Norikazu Ooka (JSNDI, JP)
- Joseph L. Rose (Penn State, US)
- Takahide Sakagami (Kobe University, JP)
- Gongtian Shen (ChSNDT, CN)
- Kamal Sahaimi (Qualite Controle Mesure, MA)
- Peter Trampus (University of Dunaujvaros, HU)
- Michael Turnbow (ASME, US)
- B.Venkatraman (IGCAR, IN)
- Tsung Tsong Wu (National Taiwan University, TW)
- Chunguang Xu (BIT, CN)

ADVISORY COMMITTEE

CHAIR

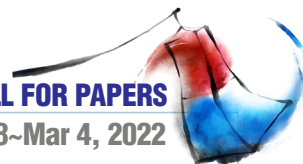
Ohyang Kwon (Inha University, KR)

MEMBERS

- Gerhard Aufricht (ÖGfZP, AT)
- Hwa Mook Chae (Hanyang I&E, KR)
- Younho Cho (Pusan National University, KR)
- Joao Conte (ABENDI, BR)
- Mike Farley (ICNDT, GB)
- Rong Sheng Geng (BATRC, CN)
- David Gilbert (BINDT, GB)
- Manfred Johannes (CSIR, ZA)
- Hae Lee (KIMM, KR)
- Sekyung Lee (KRISS, KR)
- Douglas Marshall (CINDE, CA)
- Giuseppe Nardoni (Academia NDT International, IT)
- Un Su Park (Seoultech, KR)
- Matthias Purschke (DGZfP, DE)

CO-CHAIR

Sajeesh K. Babu (ICNDT, SG)



SCIENTIFIC COMMITTEE

CHAIR

Kyung-Young Jhang (Hanyang University, KR)

VICE CHAIR

Donghoon Kang (KRRI, KR)

DIVISION CHAIRS

- Sungho Choi (Jeonbuk National University, KR)
- Hyunjo Jeong (Wonkwang University, KR)
- Donghoon Kang (KRRI, KR)
- Dae-Hyun Kim (SEOULTECH, KR)
- Hak-Sung Kim (Hanyang University, KR)
- Ki-Bok Kim (KRISS, KR)
- Kyungcho Kim (KINS, KR)
- Wontae Kim (Kongju National University, KR)

- Il-Bum Kwon (KRISS, KR)
- Jung-Ryul Lee (KAIST, KR)
- Seunghee Park (Sungkyunkwan University, KR)
- Young Kil Shin (Kunsan National University, KR)
- Cheul Muu Sim (KAERI, KR)
- Hoon Sohn (KAIST, KR)
- Dong-Jin Yoon (KRISS, KR)

MEMBERS

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- Seil Baek (Aero Technology Research Institute, ROKAF, KR)
- Krishnan Balasubramanian (Indian Institute of Technology, IN)
- Shiro Biwa (Kyoto University, JP)
- Seung Hwan Chang (Chung-Ang University, KR)
- Zhenmao Chen (Xi'an Jiaotong University, CN)
- Seung Hyun Cho (KRISS, KR)
- Yong Jin Cho (Dong-eui University, KR)
- Hajin Choi (Soongsil University, KR)
- Kyungwho Choi (KRRI, KR)
- Manyong Choi (KRISS, KR)
- Min Joo Choi (Jeju National University, KR)
- Wonjae Choi (KRISS, KR)
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- Xiaorong Gao (Southwest Jiaotong University, CN)
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- Vitalyi Gusev (Le Mans Université, FR)
- Tae-Young Han (Fraunhofer IKTS, DE)
- Sigrun Hirsekorn (Fraunhofer IZFP, DE)
- Chao Hu (Iowa State University, US)
- Timothy D. Huang (Jilin University, CN)

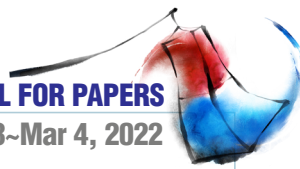
- Nam-Su Huh (SEOULTECH, KR)
- Yong-Hak Huh (KRISS, KR)
- Peter Huthwaite (Imperial College London, GB)
- Jeong-Beom Ihn (The Boeing Company, US)
- Laurence J. Jacobs (Georgia Institute of Technology, US)
- Insu Jeon (Chonnam National University, KR)
- Jae Hwa Jin (KIGAM, KR)
- Young-Sang Joo (KAERI, KR)
- Jongsu Kang (KATECH, KR)
- Lae-Hyong Kang (Chonbuk National University, KR)
- Seong-Hoon Kee (Dong-A University, KR)
- Chang Kuen Kim (Doosan Heavy Industries & Construction, KR)
- Chang-Seok Kim (Pusan National University, KR)
- Ghiseok Kim (Seoul National University, KR)
- Chung Seok Kim (Chosun University, KR)
- Dong-Hyun Kim (Rectuson co., Ltd., KR)
- Gyeong-Seop Kim (KEPCO E&C, KR)
- Gyu Ho Kim (Kongju University, KR)
- Hyonny Kim (UCSD, US)
- Jeong Guk Kim (KRRI, KR)
- Joo-Hyung Kim (Inha University, KR)
- Kwang-Soo Kim (KARI, KR)



MEMBERS (Continued)

- Su-Un Kim (Hansun ST, Inc., KR)
- Tae Joo Kim (KAERI, KR)
- Taek-Soo Kim (KAIST, KR)
- Yong Tae Kim (KRISS, KR)
- Yongsik Kim (KHNP, CRI, KR)
- Marc Kreutzbruck (Institute for Plastic Engineering, DE)
- Tribikram Kundu (University of Arizona, US)
- Hyock Ju Kwon (University of Waterloo, CA)
- Byeong Ha Lee (GIST, KR)
- Changwoo Lee (KIMM, KR)
- Choong Hun Lee (Wonkwang University, KR)
- Jaesun Lee (Changwon National University, KR)
- Jinyi Lee (Chosun University, KR)
- Jung Ki Lee (NAWOO Ltd., KR)
- Tae Hoon Lee (KHNP, CRI, KR)
- Yoon Ho Lee (NAWOO Ltd., KR)
- Youngseok Lee (NFRI, KR)
- Dominique Lesselier (Laboratoire des Signaux et Systèmes, FR)
- Hui Li (Harbin Institute of Technology, CN)
- Bu Taek Lim (KEPCO E&C, KR)
- Hyung Taek Lim (ANSCO, KR)
- Jae-Yong Lim (SEOULTECH, KR)
- Cliff Lissenden (Penn State, US)
- Ken Loh (UCSD, US)
- Xavier Maldague (Université Laval, CA)
- Kyong Mahn Min (UMI, KR)
- Yoshihiro Mizutani (Tokyo Institute of Technology, JP)
- Alexander Mullin (RTC Testing and Diagnostics, RU)
- Peter B. Nagy (University of Cincinnati, US)
- Nobutomo Nakamura (Osaka University, JP)
- Boohyun Nam (University of Central Florida, US)
- Yi Qing Ni (The Hong Kong Polytechnic University, HK)
- Seung Jae Oh (Yonsei University, KR)
- Tae Keun Oh (Incheon National University, KR)
- Yoshikazu Ohara (Tohoku University, JP)
- Wieslaw Ostachowicz (IMP, PL)
- Chin Kun Park (Techvalley, KR)
- Choon-Su Park (KRISS, KR)
- Duck-Gun Park (KAERI, KR)
- Gyuhae Park (Chonnam National University, KR)
- 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)
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- Gongtian Shen (ChSNDT, CN)
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- Sung-Han Sim (UNIST, KR)
- Igor Solodov (University of Stuttgart, DE)
- Markus Strobl (PSI, CH)
- 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 Tumendembere (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)
- Shenfeng Yuan (NUAA, CN)
- Ho Yeol Zhang (NHIC Ilsan Hospital, KR)
- Hong-Hu Zhu (Nanjing University, CN)





IMPORTANT DATES

Abstract Submission	June 30, 2021
Notification of Abstract Acceptance	August 31, 2021
Submission of Camera-ready Abstract (Mandatory)	September 30, 2021
Submission of Extended Abstract or Paper* (Optional)	September 30, 2021
Registration and Payment of Presenting Authors	September 30, 2021
Preliminary Program	October 31, 2021

*For the Conference proceedings (NOT for the SCIE journal submission)

**Authors who have already submitted abstracts and camera-ready abstracts are rolled over to a postponed schedule and do not need to resubmit.

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
- 15 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". Subject to change depending on the number of entries.



CONFERENCE TOPICS

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

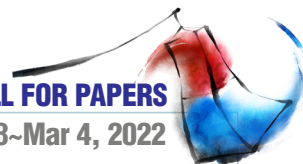
- Acoustic Emission
- Acoustic Method
- Additive Manufacturing
- Aerospace & Defense
- Art & Cultural Heritage
- Biomedical Technology
- Certification & Qualification
- Civil Infrastructures (Smart NDT for Bridges and Buildings)
- Composite Materials
- Diffraction & Residual Stress
- Digital Radiography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

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

PRELIMINARY PROGRAM SCHEDULE

Date/Time	Feb 27 (Sun.)	Feb 28 (Mon.)	Mar 1 (Tues.)		Mar 2 (Wed.)		Mar 3 (Thurs.)		Mar 4 (Fri.)	
Morning	Exhibition Registration Booth Set-up	Registration	Registration		Registration		Registration		Registration	
		Opening Ceremony	Parallel Sessions	Exhibition	Plenary Speech 3		Plenary Speech 4		Parallel Sessions	Exhibition
		Plenary Speech 1,2			Parallel Sessions	Exhibition	Parallel Sessions	Exhibition		
	Meetings& Workshops	Opening Exhibition, Lunch	Lunch		Lunch		Lunch		Lunch	
Afternoon		Parallel Sessions	Exhibition	Parallel Sessions	Exhibition	Parallel Sessions	Exhibition	Parallel Sessions	Exhibition	Closing Ceremony
Evening	Booth Set-up	Welcome Reception (Poster and Exhibition Evening)			Gala Dinner		Korean Night		Booth Dismantling	

*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, JP)

- **Artificial Intelligence in Medical Imaging**

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

- **Characterization of Material Degradation: Advanced Techniques**

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

- **International Thematic Workshop**

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

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, KR)

- **NDE Reliability/Performance:Imaging, Sizing and POD**

Organizer: Ik-Keun Park (Seoul National University of Science and Technology, KR)

- **NDT of Civil Engineering Materials and Structures**

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

- **Nondestructive Sensing for Agriculture and Food Materials**

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

- **Nondestructive Testing for Archeology and Cultural Heritage**

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

- **Nondestructive Ultrasound Techniques in Medicine and Biology**

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

- **Nonlinear Ultrasonic Testing**

Organizer: Igor Solodov (University of Stuttgart, DE)

- **Remote NDT Techniques for Structural Health Monitoring**

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

- **SHM/NDT on AI**

Organizer: Yoshihiro Mizutani (Tokyo Institute of Technology, JP), Dae-Hyun Kim (Seoultech, KR)

Roger Groves (Technical University Delft, NL), Antolino Gallego (Granada University, ES)

Nathalie Godin (INSA Lyon, FR), Yoji Okabe (The University of Tokyo, JP)

Tetsuya Uchimoto (Tohoku University, JP), Kazuyuki Nakahata (Ehime University, JP)

Takahiro Hayashi (Osaka University, JP)

- **Ultrasonic NDE of Structural Materials (Invitation Only)**

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

Christopher M. Kube (The Pennsylvania State University, US)

- **Welding**

Organizer: Sehun Rhee (Hanyang University, KR)



PLENARY SPEAKERS



Prof. Woo Il Lee

Chairman, The Korean Federation of Science and Technology Societies, Korea

Title to be announced.

(Monday, February 28, 2022)



Prof. Dr. Randolph Hanke

Director, Fraunhofer Institute for Non-Destructive Testing IZFP, Germany

Title: Industry 4.0 – Challenge or Chance for Tomorrows NDT

(Monday, February 28, 2022)



Prof. Takaaki Kajita

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

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

(Wednesday, March 2, 2022)

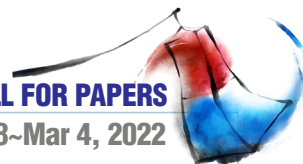


Mr. Bum Nyun Kim

CEO, KEPCO Plant Service & Engineering Co., Ltd, Korea

Title: Reliability on Non-Destructive Testing Technology

(Thursday, March 3, 2022)



KEYNOTE SPEAKERS

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

INVITED SPEAKERS

- Krishnan Balasubramaniam (Indian Institute of Technology Madras, IN)
- Shiro Biwa (Kyoto University, JP)
- Kihang Choi (Zetec, US)
- Guillaume Haiat (CNRS, FR)
- Takahiro Hayashi (Osaka University, JP)
- Ikuo Ihara (Nagaoka University of Technology, JP)
- Jae Hwa Jin (Kigam, KR)
- Yukio Kawano (Tokyo Institute of Technology, JP)
- Kodo Kawase (Nagoya University, JP)
- Moon S. Kim (Agricultural Research Service, USDA, US)
- Se-Gon Kwon (Korail Research Institute, KR)
- Changwoo Lee (KIMM, KR)
- Choong Hun Lee (Wonkwang University, KR)
- Cliff J Lissenden (Penn State, US)
- Gerd Manthei (Technische Hochschule Mittelhessen, DE)
- Yoshihiro Mizutani (Tokyo Institute of Technology, JP)
- Kyung-Hyun Park (ETRI, KR)
- Christophe Reboud (CEA LIST, FR)
- Juergen Schreiber (Fraunhofer IKTS, DE)
- Zhongqing Su (The Hong Kong Polytechnic University, HK)
- Gui Yun Tian (Newcastle University, GB)
- Jeff Weed (COG, CA)
- Chunguang Xu (BIT, CN)
- Sangpil Yoon (University of Notre Dame, US)
- Robert Zboray (EMPA, CH)
- Hong-Hu Zhu (Nanjing University, CN)



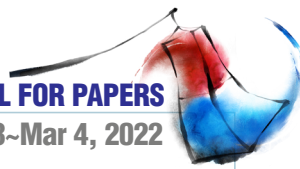
ABSTRACT SUBMISSION GUIDELINES

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

- Authors who have already submitted abstracts and camera-ready abstracts are rolled over to a postponed schedule and do not need to resubmit.
- Authors who have accepted abstracts can modify the abstract including title, contents, author information other than conference topics until the due date of camera-ready abstract submission (**September 30, 2021**) However, please be aware that in case the author would amend the conference topics, your abstract has to go through review again even if the abstracts have already been accepted.
- 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.20thwcndt.com by **June 30, 2021**, 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 **August 31, 2021**.
- 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 **September 30, 2021** will be canceled.
- The Camera-ready version of accepted abstracts is mandatory and must be submitted by **September 30, 2021**.
- The extended abstract or paper of accepted abstracts is optional and must be submitted for inclusion in the conference proceedings by **September 30, 2021**.










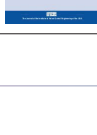
ABSTRACT SUBMISSION PROCESS

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
Sign up or Login to '20 th WCNDT' Website. www.20thwcndt.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!



SCIE JOURNALS LIST

The 20th WCNDT has arranged special issues with the following SCIE international journals.
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 is posted on the conference website.

No.	Journal		Journal Rating	Impact Factor
1	Structural Health Monitoring Editor: Jung-Ryul Lee (KAIST, KR)		SCIE	IF: 4.870
2	Smart Structures and Systems Editor: Hoon Sohn (KAIST, KR)		SCIE	IF: 3.557
3	Sensors Editor: Seunghee Park (Sungkyunkwan University, KR)		SCIE	IF: 3.275
4	Materials Editor: Donghoon Kang (KRRI, KR)		SCIE	IF: 3.057
5	Journal of Intelligent Material Systems and Structures Editor: Gyuhae Park (Chonnam National University, KR)		SCIE	IF: 2.410
6	Applied Sciences Editor: Il-Bum Kwon (KRISS, KR)		SCIE	IF: 2.474
7	Measurement Science and Technology Editor: Jung-Ryul Lee (KAIST, KR)		SCI	IF: 1.857
8	Nuclear Engineering and Technology Editor: Cheul Muu Sim (KAERI, KR)		SCIE	IF: 1.846
9	Advanced Composite Materials Editor: Jung-Ryul Lee (KAIST, KR)		SCI	IF: 1.881
10	Noise Control Engineering Journal Editor: Nohyu Kim (KOREATECH, KR)		SCIE	IF: 0.680



REGISTRATION FEES

Registration		Before Sep 30, 2021	After Sep 30, 2021~Feb 11, 2022	On-site Feb 28~Mar 4, 2022
Conference Fees	Participants (Full)	1,150	1,250	1,350
	Retired/Meetings	700	750	800
	Students*	600	650	700
Companion Fee		400	450	500

*All fees will be charged in USD.

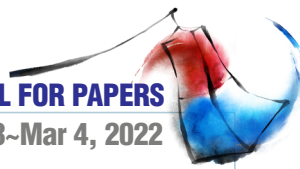
The access to the Conference venue including Exhibition area will not be permitted for the persons who have not paid their registration fee.

- The conference fee includes the session attendance, lunch, refreshments, program package, e-proceeding, 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 **September 30, 2021**.
- 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 December 31, 2021, 50% of the registration fee
 - From January 1, 2022, No refunds
3. All refunds will be made after the end of the conference.



SOCIAL PROGRAMS

Welcome Reception (Poster and Exhibition Evening) - Songdo Convensia Exhibition Hall 1+2+3.

Monday, February 28, 2022

Gala Dinner - Songdo Convensia Exhibition Hall 4.

Wednesday, March 2, 2022

Korean Night - Location to be announced.

Thursday, March 3, 2022

SONGDO CONVENSIA

123 Central-ro, Yeonsu-gu, Incheon

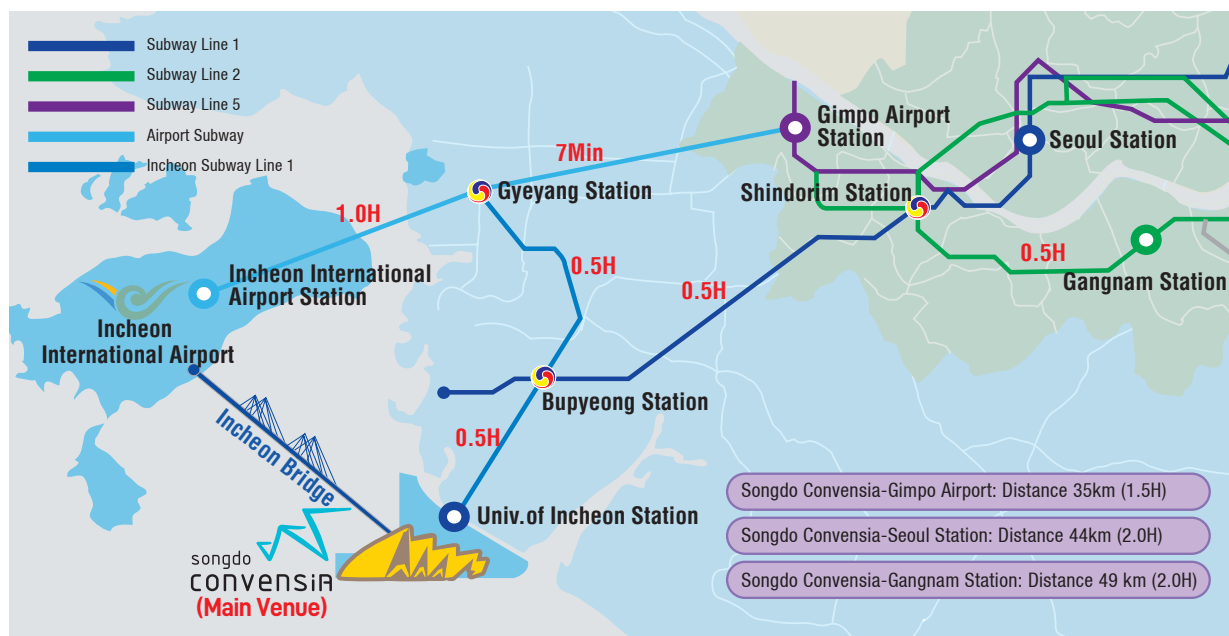
<http://www.songdoconvensia.com>

songdo
convensia



The 20th WCNDT will be held at the Songdo Convensia, one of the future-oriented venues with eco-friendly facilities and state-of-the-art smart technology. Songdo Convensia has all the necessary elements of a world-class convention destination, including easy accessibility, adequate tourism resources, high-quality hotels and restaurants and the existence of an active support network consisting of both public and private organizations. For more information about Songdo Convensia, please visit the website above.

Easy Access To Songdo Convensia



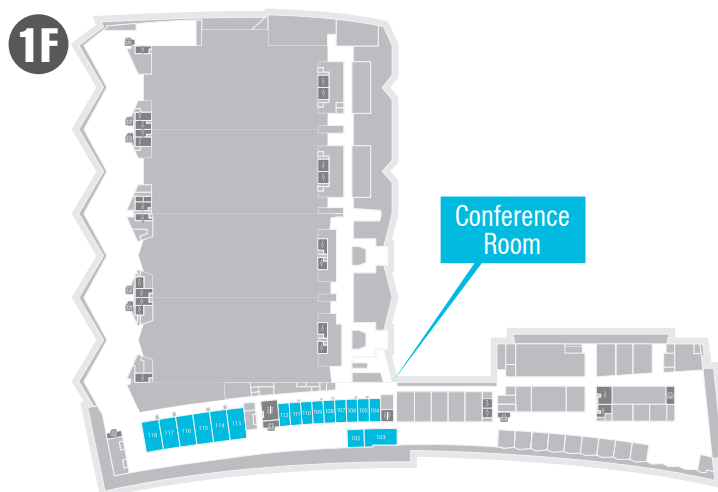
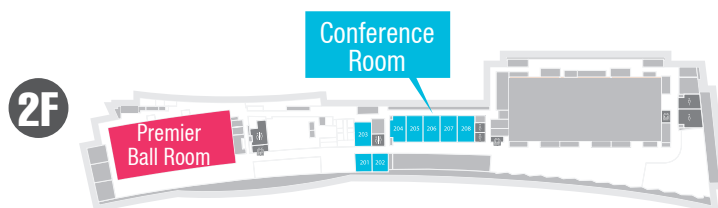
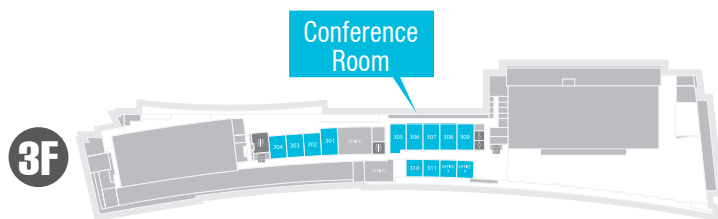


CONFERENCE AREA

Songdo Convensia is comprised of three stories above ground with 17,021m² of exhibition space and a floor area of 117,163m².

Four exhibition halls can accommodate up to 900 booths and 20,000 people and conference facilities boast 35 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 Songdo Convensia, including Premier Ballroom.

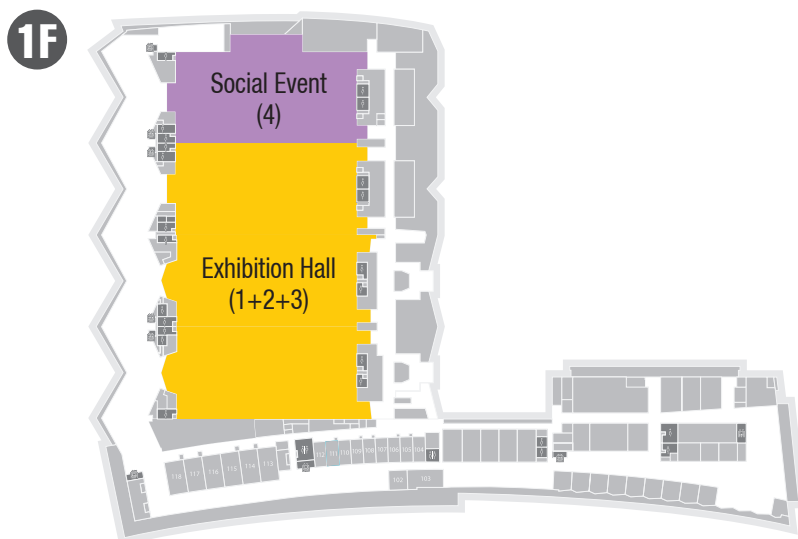


EXHIBITION AREA

Songdo Convensia 1st Floor_1+2+3 Hall

Exhibition Hall (1+2+3) is 12,581m² and is an optimal exhibition hall with a capacity of 373 booths and columnless facilities.

In addition, poster sessions, lunches, and showcase presentations are all located in the exhibition hall.



EXHIBITION FLOOR PLAN



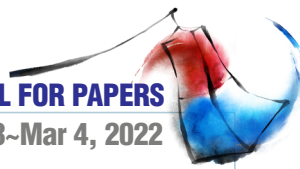


ACCOMMODATION

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 currently under discussion. It will be soon available at the official website.



No	From Songdo Convensia	Hotel Rating	Hotel
1	0.2 km	★★★★★	Sheraton Grand Incheon
2	0.4 km	★★★★★	Oakwood Premier Incheon
3	0.6 km	★★★★	Orakai Songdo Park Hotel
4	0.8 km	★★★★	Hotel Skypark Incheon Songdo
5	1.2 km	★★★★	Central Park Hotel
6	1.8 km	★★★★	Holiday Inn Incheon Songdo
7	10.5 km	★★★	Ramada Incheon
8	28.5km	★★★★★	Paradise Hotel&Resort Paradise City
9	29.5 km	★★★★	Best Western Premier Incheon Airport



HOST CITY: INCHEON

Incheon, Hub of Tradition and Technology



Incheon is a model of commercial port city in South Korea. There is a very modern and large international airport, making it a hub for transportation. Also there is a lively degree of exchange and cooperation with most Chinese cities.

The Incheon Landing Operation Memorial Hall and Chinatown are located, so it is a historically meaningful area. Recently, it has been designated as an international trade city and has been rapidly developing and growing scientifically and technologically.

We recommend you to see historic attractions during the day and the night view of Incheon Bridge. Incheon will be a special place where you can feel the different atmosphere of classical and modern times at once.

Tourist attractions

For all participants and accompanying people, we will offer various sightseeing tours. This tour will make an unforgettable time in Korea for you. Tour can be booked up to 2 weeks before the conference, and detailed information and schedule of each tour will be posted on the conference website soon. Please consider the booking deadlines and terms and conditions of cancellation.

Tour Attractions



DMZ
(Demilitarized Zone)



Palace in Seoul



Seoul Tower



Cooking Experience of
Korean Food



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:

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

**All fees will be charged in USD.*

Contact Us

The Korean Society for Nondestructive Testing

- KOFST Center Suite 903, 22 Teheran-ro 7-gil, Gangnam-gu, Seoul 06130, Korea
- Tel: +82-2-6257-7568
- Fax: +82-2-582-2743
- Email: secretariat@wcndt2020.com
- Website: www.20thwcndt.com

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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

KOFST Center Suite 903, 22 Teheran-ro 7-gil, Gangnam-gu, Seoul 06130, Korea

Phone: +82-2-6257-7568, Fax: +82-2-582-2743

For general inquiry, please e-mail to
secretariat@wcndt2020.com

For conference inquiry, please e-mail to
conference@wcndt2020.com

For exhibition, please e-mail to
exhibition@wcndt2020.com

For registration, please e-mail to
registration@wcndt2020.com

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