NURETH-21

21th International Topical Meeting on Nuclear Reactor Thermal Hydraulics

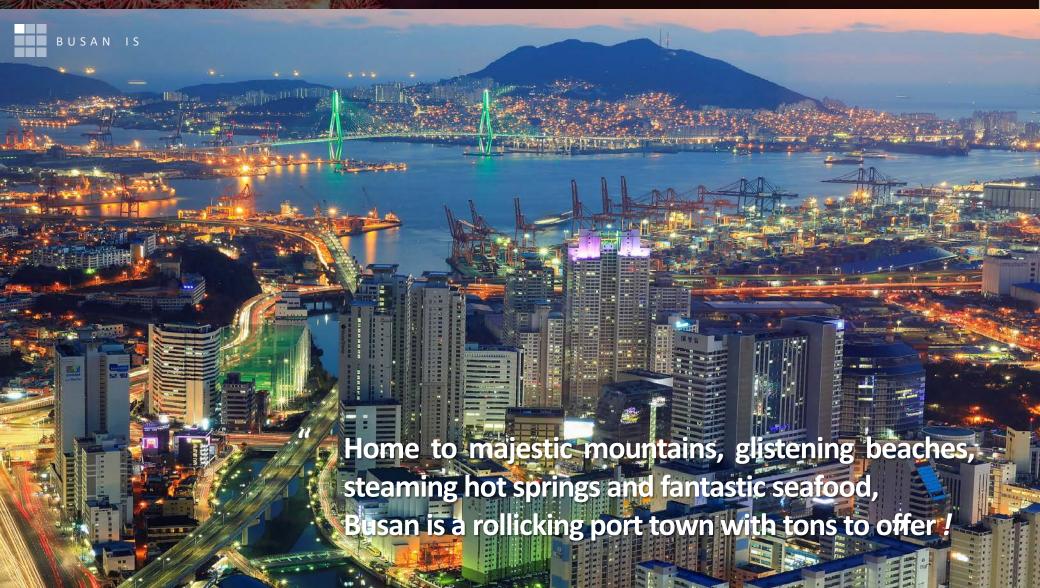
August 31(Sun)-September 5(Fri), 2025 BEXCO, Busan, Republic of Korea





Best Travel Destination in Asia

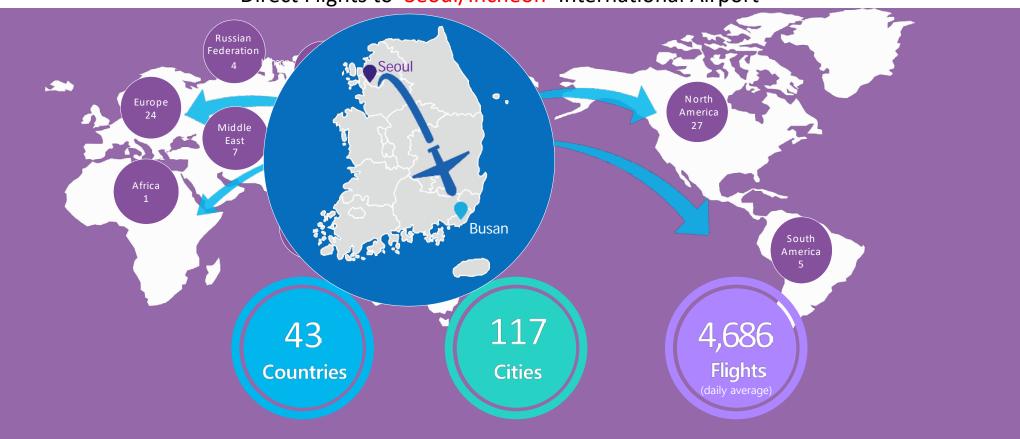
Lonely Planet (2018)





Busan's International Accessibility

Direct Flights to 'Seoul/Incheon' International Airport







Seoul Express Bus
Terminal
4 hrs
28 times / per day

Dong Seoul
Terminal
4hrs 15 mins



2hrs 20mins 40 times / per day



- •BEXCO has world-class facilities and is surrounded by a vast selection of hotels, museums and galleries, parks, restaurants, and nightlife.
- •A complete spectrum of services is provided to ensure total support to all of clients and it is a perfect place from which to begin any journey around the city.



Conference Organizers

GENERAL CHAIRS

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Prof. Xiaodong Sun, UMich, USA Dr. Tae-Soon Kwon, KAERI, Korea Dr. Ferry Roelf, NRG, Netherlands

PUBLICATION COMM. CHAIRS

Prof.Em. Hee-Cheon No, KAIST, Korea Dr. Dillon R. Shaver, ANL, USA

• The Technical Program Committee will be established by inviting internationally well recognized experts who are representative of Asia, North America and Europe

TPC will be led by Dr. Ki-Yong Choi (KAERI) and Prof. Hyoung-Kyu Cho (SNU) in close cooperation with Prof.s E. Merzari (PSU) and A. Manera (ETHZ) among other.

Program at a glance (tentative)

Time/Room	Sun		Mon	Tues AFRICAN DEVEL		OPMENT BANK 2018 Annual Meetings		Thurs		Fri
08:00~09:00			PL-1 Opening Plenary	KL 1~3		KL 4~6		KL 7~9		TS-1 <i>5</i> (<i>5</i> x10) 08:10~10:15
09:00~10:15	Reg.	Reg.	08:00~10:00	TS-3(3×10) 09:00~10:15		TS-7(3x10) 09:00~10:15		TS-11(3x10) 09:00~10:15		
10:15~10:30		student session (Lecture)	Break	Break		Break		Break		Break
10:30~11:00			PL-2 10:30~12:30	TS-4 (5x10) 10:30~12:35		TS-8(5×10) 10:30~12:35		TS-12(5×10) 10:30~12:35		PL-3: Closing Plenary 10:30~12:30
11:00~11:30		student session (Poster)								
11:30~12:00										
12:00~12:30										
12:30~14:00	00		Lunch	Lunch		Lunch		Lunch		Lunch
14:00~16:05		student session (Tech.Tour)	TS-1(5x10) 14:00 ~ 16:05	TS-5(5x10) 14:00~16:05	PS-1(4x40)	TS-9(5x10) 14:00~16:05	PS-3(4x40) Spouse/family	TS-13(5x10) 14:00~16:05		
16:05~16:30	Reg.		Break	Break		Break		Break	Cultural	Tech Tour Break
16:30~18:35			TS-2(5x10) 16:30~18:35	TS-6(5x10) 16:30~18:35	PS-2(4x40)	TS-10(5x10) 16:30~18:35	PS-4(4x40) Spouse/family	TS-14(5x10 16:30~18:35		
18:35~	Welcome Reception		Night Tour	Committee Dinner		Banquet				



Technical Program (draft)

- Fundamental TH
- Computational TH
- Experimental TH
- Water-cooled Reactors TH
 - PWR, HWR, BWR, VVER
 - ATF
 - Long-term Operation Issues
- Operating Reactors Safety
 - BEPU and Challenges in Licensing
 - Fuel Safety
 - Severe Accidents
 - Risk-informed Safety Assessment
- Panel Sessions: on Important & Emerging TH and Safety Issues

- Advanced Reactors TH and Safety
 - SMRs: Water-cooled, Non-water Cooled
 - Micro-Reactors
 - Space and Marine Applications
 - Test or Production Reactors
 - Gen-IV Reactors: MSR, GCR, LMR, etc.
 - Fusion Reactors
 - Advanced Reactor Fuels
- Special Topics: on Advanced Technologies-related TH, icluding
 - Al Applications to TH
 - Digital Twins and Virtual Reactors
 - Challenges in Flexible Operation
 - Integrated Energy System
 - International Cooperative Programs

The topics will be assessed by the TPC, prior to issuance of Call-for-Papers, to ensure that they cover the breadth of important areas relevant to 'Advances in Nuclear Thermal Hydraulics'.



- Welcome Reception: on Sun. evening
- Special Dinner: on Tues. evening
- Banquet: on Wed. evening
 - with traditional Korean show
- Family Programs: Busan and Nearby
 - Night Tour
 - Cultural Tour: Gyeongju, near Busan
 - Cooking Class, Temple Stay, etc.
- Technical Tours: on Fri. afternoon







KORAD (Low- & Intermediate-Level Waste disposal)



Machine shop at Doosan Enerbility







- Discounted rate for student registrants
- •The Student Seminar and the Young Professional Program will be coordinated by the Student Committee.
- Student seminar
- Consisting of seminar, poster session and lab tour
- Best Student Poster Awards
- Student poster sessions to allow students shorter submission times
- Best Paper Awards for young professional members
- Both Awards to be evaluated by the Technical Program Committee
- in Closed collaboration with the Honors & Awards Committee





NURETH-21

21st International Topical Meeting on Nuclear Reactor Thermal Hydraulics

August 31 (Sun) - September 5 (Fri), 2025 BEXCO · Busan, Korea

www.nureth-21.org

Important Dates

· Abstract submission due

October 25, 2024

· Full paper submission due

January 31, 2025

· Final paper submission due

May 2, 2025





Contact US



• E-mail: chsong@kaeri.re.kr or bjyun@pnu.ac.kr

Contact us with any inquiry, offers to volunteer or possible sponsorship opportunities



Website Open: http:// nureth21 .org

Coming up soon after the conference organizer is selected

TPC Chair: Dr. K.Y. Choi (kychoi@kaeri.re.kr), and

Ass. Chair: Prof. H.K. Cho (chohk@snu.ac.kr).



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