

August, 2026

#2 **INCC** Newsletter



Empowering Future Leaders
through Global Education and Networking



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About INCC

INCC stands for [International Nuclear Collaboration Center](#). Our offices can be found in the Republic of Korea at the **KEPCO International Nuclear Graduate School (KINGS)**, in Poland at the **University of Warsaw (UW)**, and in the Czech Republic at the **Brno University of Technology (BUT)** and the **Czech Technical University in Prague (CTU)**.

We aim to build a robust foundation for the education and training of future nuclear power professionals. We also aim to enhance students' understanding of key issues and challenges in nuclear energy. We serve as a regional hub for nuclear workforce development and support international events (such as the [Nuclear Days Conference](#) at the University of West Bohemia in the Czech Republic), training programs, and collaborations for Korean nuclear organizations.

Inauguration of the New KINGS President

On June 1, KINGS held the inauguration ceremony for its 5th President, [Dr. Dong-Wook Jerng](#), who started his three-year term in office. President Jerng earned his bachelor's degree in Nuclear Engineering from Seoul National University, his master's degree from KAIST, and his Ph.D. in Nuclear Engineering from the Massachusetts Institute of Technology (MIT). He previously served as a chief researcher at the Central Research Institute of Korea Hydro & Nuclear Power (KHNP) and as Director of the Nuclear R&D Program Management at the National Research Foundation of Korea, before joining Chung-Ang University as a professor in the School of Energy Systems Engineering. In his inaugural speech, President Jerng focused on enhancing the quality of education at KINGS even further.



"It is an honor for me to stand before you today as the 5th President of KINGS—an esteemed institution dedicated to nurturing core talents for the nuclear industry, not only in Korea but across the globe. This year marks the 15th anniversary of KINGS' founding, established with the vision of cultivating global nuclear leadership.

We need to transcend our conventional role as a mere provider of technical knowledge and boldly establish our position as 'Cradle of Leaders for the Nuclear Industry and Global Bridge'.

This is why I emphasize three core pillars today: refining our education, reinforcing our research capabilities, and expanding our global networking. I firmly believe that you will share this vision with me and walk side by side with the spirit of 'Hosiubo (호시우보)' - keeping a tiger's eye on our goals while moving forward like an ox - toward becoming the world's preeminent nuclear graduate university," stated President Jerng.

INCC News and Announcements

Our Professors' Visits

During the past semester, we were pleased to welcome [Dr. Kyung Doo Kim](#), [Distinguished Professor Keung Koo Kim](#), and [Professor Ki-Sig Kang](#). Dr. Kim delivered a series of special lectures focusing on the Nuclear Reactor Simulator at the **Polish NCC**. At the same time, **Professors Kim and Kang** arrived in the Czech Republic to visit both the **Prague NCC and Brno NCC**.

We are also happy to have had the opportunity of assisting **Professor Hyoung Kyu Cho** from the **Seoul National University**, who gave lectures through March in [Prague, CTU](#).

KINGS as a Platinum Partner for Nuclear Days 2026

KINGS is becoming the **Platinum Partner** for the [2026 Nuclear Days Conference](#) at **the University of West Bohemia**. To learn more about KINGS, NCC, or simply say hi to our team, either reach out to us through LinkedIn or find our promotional booth at the conference!

New SMR Publication in collaboration with CTU NCC members

Check out the newly published paper: [Comprehensive overview of external hazard assessment international and national guidelines for siting of Small Modular Reactors](#), on which our **CTU NCC Director, Ing. Jan Rataj, Ph.D.**, and **CTU NCC Coordinator Ing. Ondřej Novák, Ph.D.** collaborated.

2027 Admission Guidelines

Students interested in coming to KINGS may find the 2027 Admission Guidelines on the [KINGS website](#). Online applications can be submitted from September 14 to October 31. Final decisions will be announced by December 31 after rounds of document reviews, personal test and interview. It is possible to apply to both the Department of Nuclear Power Plant Engineering and the Department of Energy Policy and Engineering. For exchange students, the tuition fees, aviation fees and dormitory fees are covered by KINGS, full-time students may apply for various scholarships or assistantship. For more information, click [here](#)!

INCC Events - Upcoming

Nuclear Days 2026

- 16th Annual International Conference hosted by the University of West Bohemia
- Visit the promotional booth by industry partners like NCC, FNC, ŠKODA JS

[MORE INFORMATION](#)



October 5 - 9

Monday - Friday: 09:00 - 12:00

Faculty of Electrical Engineering and Communication, Brno
University of Technology, Technická 3058/10, Brno

Lecture room: SC2.59

Special Lecture by FNC Senior Researcher Young Seok Bang, Ph.D.

- Introduction to the Emergency Core Cooling System
- Selected Technical Issues Related to ECCS Design and Regulation
- Introduction to Accident Analysis

[MORE INFORMATION](#)



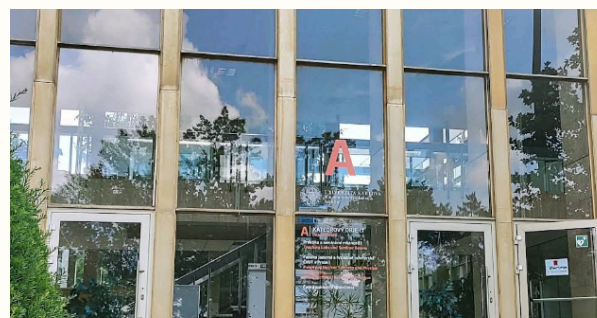
September 9 - 10

University of West Bohemia Bory Campus, Technická 8, 301
00 Plzeň 3

Special Lecture by Pusan National University Prof. Jae Jun Jeong, Ph.D.

- Introduction to the Thermal-Hydraulic System Analysis Code, MARS
- Introduction to MARS-VISA - Visual System Analyzer Using the MARS Code
- Hands-on Non-LOCA Analysis Using MARS-VISA

[MORE INFORMATION](#)



October 13 - 16

Tuesday - Friday: 10:00 - 13:00

V Holešovičkách 2/747, 180 00 Praha 8

Lecture room: L-125



October 14

Faculty of Electrical Engineering and Communication, Brno
University of Technology, Technická 12, Brno

perFEKT ATOMDAY

- A one-day event for students to connect with nuclear industry experts and explore the latest trends hosted by the Institute of Electrical Power Engineering
- Visit our NCC promotional booth to learn more about our study program and other opportunities

[MORE INFORMATION](#)

INCC Events - Past

Thermal-Hydraulics Lecture by Seoul National University Prof. Hyung Kyu Cho

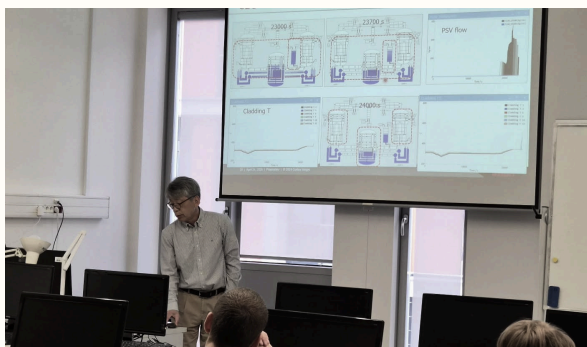
- Nuclear Reactor Thermal-Hydraulics
- Special lecture dedicated to the UW students visiting CTU

[MORE INFORMATION](#)



March 24 - 25

Faculty of Nuclear Sciences and Physical Engineering
(FNSPE), CTU
V Holešovičkách 2, Prague 8



April 20 - 24

Faculty of Physics, UW
Pasteura 5, Warszawa

Nuclear Reactor Simulator by Curtiss-Wright Nuclear Dr. Kyung Doo Kim

- Pressurized water reactor Structures, Systems, and Components, with a focus on Design Basis Accidents, Design Extension Conditions and associated safety concepts
- A series of 5 lectures

[MORE INFORMATION](#)

Special One-Week Course Prof. Ki-Sig Kang

- Global NPP Market Review and Analysis, Main Design Features of NSSS Systems, Development of Small Modular Reactors (SMRs) and the design basis/ licensing process, Power and Steam Conversion System, Nuclear Codes and Standards
- A series of 5 lectures

[MORE INFORMATION](#)



April 20 - 24

Faculty of Electrical Engineering and Communication, Brno
University of Technology, Technická 3058/10, Brno



April 27 - 30

Faculty of Nuclear Sciences and Physical Engineering
(FNSPE), CTU
V Holešovičkách 2, Prague 8

Systems, Structures, and Components of APR1000 Dist. Prof. Keung-Koo Kim

- Introduction to APR1000, Reactor Coolant System and CVCS, Engineered Safety Features, Digital I&C and Balance of Plant
- A series of 4 lectures

[MORE INFORMATION](#)

Design Concept and Feasibility Study of Dukovany NPP Project Prof. Ki-Sig Kang

- Technical aspects of the APR1000, Pre-feasibility and Feasibility studies, NPP Design Criteria, Contract - Bid Information System, Evaluation Perspective, Localization and National Involvement for Dukovany NPP Construction
- A series of 4 lectures

[MORE INFORMATION](#)



May 4 - 8

Faculty of Nuclear Sciences and Physical Engineering
(FNSPE), CTU
V Holešovičkách 2, Prague 8

Spring Semester 2026 Exchange Student Program

During the Spring semester of 2026, 15 students from four countries, the Czech Republic, Slovakia, Poland, and the United States, participated in the exchange student program.

As part of the program's technical tour, the students visited the KHNP Central Research Institute (CRI) to gain a deeper understanding of the nuclear power industry's technological capabilities and research initiatives. They also attended a special lecture on the nuclear industry, which broadened their knowledge of the current status, strategic importance, key achievements, and cases of international cooperation in nuclear power projects between the Republic of Korea and the Czech Republic.

In addition, a cultural tour allowed the students to experience traditional Korean culture firsthand through visits to Gyeongbokgung Palace, Bukchon Hanok Village, and the National Museum of Korea.



Our Alumni

Interview with Alumni



"I specialized in radiation protection and decommissioning, so after I came back, I attended the SÚRAO Summer School 2023. My time at KINGS really motivated me to attend and gave me a solid background in this topic."

Read an exclusive interview with one of our alumni!

Our alumna, Radana Šimůnková, a member of the development department at ČEZ, a.s., responsible for the preparation and implementation of nuclear projects, has agreed to share her thoughts and experiences from her time at KINGS and more.

[READ THE FULL ARTICLE](#)

Read an exclusive interview with one of our alumni!

For this issue, we also got a chance to interview our Polish alumna, Anna Kluba, who is currently working as a Licensing Engineer for a company that is a nuclear technology provider. We are honored to share her thoughts on the two-year Master's program at KINGS, as well as on the overall experience of studying and working in Korea.

[READ THE FULL ARTICLE](#)



"The knowledge gained in KINGS as well as my work experience directly contributes to my current work as a Licensing Engineer"

Our Alumni

Alumni Highlights



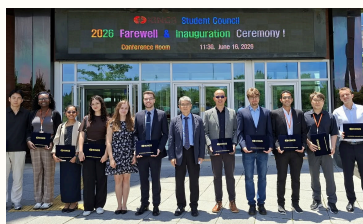
Our Alumnus, Jan Hruškovič, returned to KINGS on June 1, 2026, to deliver a special lecture on deterministic safety analysis of nuclear power plants. Jan is currently working at FNC Technology alongside another Czech alumnus, Marek Kopeček.¹

Together with the FNC, they support events in the Czech Republic, such as the [Prague Spring Festival](#) or [Nuclear Days Conference](#) at the University of West Bohemia.



Jan Ullmann, our 2024 exchange alumnus, originally from the University of West Bohemia, spent the past semester working alongside Texas A&M University nuclear engineering faculty and students, hosted by nuclear engineering professor Dr. Pavel Tsvetkov.²

Upon returning, Jan, in collaboration with other authors, mainly from the UWB, presented their *industrial AI application for day-ahead heat demand prediction in district heating systems* at the 2026 International Scientific Conference on Electric Power Engineering (EPE).³



On June 16, the KINGS Student Council held a Change of Command Ceremony to honor and appreciate the dedication of the outgoing 14th Student Council for their service to the school, while cheering on the newly launched 15th Student Council for a successful year ahead.

The outgoing President, Jakub Stoklasa (once an exchange student, now a full-time student at both KINGS and BUT), shared: *"I deeply appreciate the active cooperation of the dormitory manager and all school staff, and I sincerely wish for the continued growth of KINGS."*⁴

Currently at KINGS

Best Accredited Institution



In May this year, KINGS was designated as an *Excellent Certified University* in the 2025 International Education Quality Assurance System (IEQAS) evaluation conducted by the Korean Ministry of Education.⁵

In 2025, 383 institutions applied, and only 39 were chosen for the Excellent designation. Among graduate-only institutions, just five universities, including KINGS, received this distinction.

Student presentation at the KRS Spring Conference



A second-year master's student in the Department of Nuclear Power Plant Engineering at KINGS, Johanna Tsholofelo Mabitsela, participated in the 2026 Korean Radioactive Waste Society (KRS) Spring Conference.⁶

Ms. Mabitsela introduced her research achievements to the academic community by presenting a paper co-authored with her advisor, Professor Kim Ju-Youl.

The conference took place on May 28-29 at the BPEX in Busan.

KINGS Summer Session 2026



At the end of June, the Summer Session began at KINGS, and with it, the additional classes for students, such as the NPA Simulator Session or the Safety Culture and Communication Class Session. The Summer Session finished with the Speech and Debate course.⁷

During those courses, students had the chance to gain hands-on experience in the nuclear safety field, as well as enhance their communication skills, including public speaking, case construction, and critical thinking.

First-Semester Cultural Trip



KINGS held its first-semester Cultural Trip (CT) June 17-19 for 64 first-year students, including exchange students, with the aim of fostering global networking. Through rafting, team-building activities, outdoor mission games, and visits to the Gyeongju National Museum and Hyundai Motor Company, domestic and international students had opportunities to interact, build connections, and experience what it means to be “One KINGS.”

The program also offered students a meaningful opportunity to appreciate Korean culture and witness the excellence of Korea’s global industries firsthand.

KINGS Delegation Visits Vietnam



From July 13 to 16, 2026, a KINGS delegation led by President Dr. Dong-Wook Jerng visited key institutions in Vietnam, including VNUHCM-University of Science, PetroVietnam University (PVU), PetroVietnam College (PV College), PetroVietnam (PVN), and the Vietnam Atomic Energy Institute (VINATOM).⁸

During the visit, the delegation engaged in discussions on cooperation for nuclear energy human resource development and introduced KINGS academic programs to faculty and officials at the host institutions. KINGS also successfully established strategic partnerships by signing MOUs with leading Vietnamese universities.

Celebrating the 2026 FIFA World Cup at KINGS



During the 2026 FIFA World Cup, KINGS encouraged students to celebrate the tournament together and strengthen mutual understanding across nationalities. With 656 graduates from 35 countries, KINGS represents a truly international community where students can share their enthusiasm for football while respecting and supporting one another.⁹

KINGS showed that, as a global education institution, it not only teaches international students but also fosters interpersonal relationships and helps people overcome challenges across borders.

What's New With the Dukovany Project?

In June, one year had passed since the signing of the contract for the construction of new units at the Dukovany NPP. "The Dukovany project is very significant and a symbol of the strategic partnership between the Czech Republic and South Korea," said Hoe-Chun Kim, President of KHNP.

At the most recent meeting of the Dukovany committee, it was stated that preparations for the new nuclear units in Dukovany are progressing in accordance with the established schedule.^{[10](#)}

Extension of the Dukovany NPP Lifespan

The operational lifespan of the existing units at the Dukovany NPP can be extended to a total of 80 years from their initial launch, meaning they could operate until 2065–2067. This conclusion comes from an analysis conducted by ČEZ, a.s., whose results were presented by Karel Havlíček, the Minister of Industry and Trade.^{[11](#)}

This extension will require billions in investments for modernizing the plant. Key upgrades would include replacing components in the machine halls, such as generators and other major systems, renewing selected pipeline routes, valves, and electrical elements, gradually introducing new control and safety systems.^{[12](#)}

Nuclear Fuel Training

The agreement on the construction of two new units at the Dukovany NPP includes a contract to supply nuclear fuel for several years of operation. The fuel assemblies for the APR1000 reactors will be supplied by the South Korean company KEPCO Nuclear Fuel. The fuel for the APR1000 differs from the type currently used in Czech power plants (TVEL); the latter has a hexagonal cross-section, whereas the new APR1000 reactor will have a square cross-section.

A total of 26 employees from EDU II, ČEZ, ÚJV Řež, and Energoprojekt Praha completed the first phase of nuclear fuel training in Seoul during May and June. The course was led by experts from KEPCO Nuclear Fuel and KEPCO E&C, who provided participants with extensive information on nuclear fuel design.^{[13](#)[14](#)} Three additional training sessions are scheduled to take place in 2029, 2030, and 2031.^{[15](#)}

Opportunities for Czech Companies

Joon Kyo Suh, KHNP manager for the Dukovany project, shared updates on the supply chain in an interview with Seznam Zprávy Business.

A tender for cooling towers will soon be launched, with Czech companies having a strong chance due to their use of cooling towers (different from the seawater cooling method used in Korea). Furthermore, KHNP is also expected to select a Team Korea to oversee the construction work. "The construction phase is a crucial part of the project, and the selected company will be responsible for all construction activities. That is why the selection process is time-consuming," Suh stated.

KHNP has signed 15 contracts with Czech companies and plans to expand cooperation in areas like auxiliary equipment. Tenders for auxiliary materials and turbine hall equipment will begin in November 2026. Around 90 Czech companies have expressed interest, with 50 in the supplier registration process.¹⁶

2026 NERS Conference and its Chairman Jiří Marek

At the June NERS conference, updates on the Dukovany NPP expansion were shared. Documentation is underway, followed by an 18-month review period by the State Office for Nuclear Safety. The final permit is expected by summer 2029, after which the construction site will be handed over to KHNP. Geological surveys have also been completed, with the final report due in August. Archaeological work is set to begin in December. The conference also addressed the deep repository for radioactive waste, noting current capacities will suffice until 2070, after which expansion will be needed.

The NERS conference is organized by Chairman Jiří Marek, who gave an interview to [Aktuálně.cz](#) in June, in which he discussed the labor shortage, cultural differences, and corporate involvement.¹⁷

Czech-Korean Cultural Events in the Dukovany Region

On the weekend of June 20-21, Korean families from Prague and Ostrava visited the Třebíč region. Their first stop was Rouchovany, where they joined the local festival, and some of the guests continued on to tour the Dukovany NPP.¹⁸ At the same time, an event organized by KHNP employees, and volunteers took place, featuring demonstrations of taekwondo, modern and folk music. This was the eighth time the event was held in Třebíč, and, for the first time, in Týn nad Vltavou on June 18-19.^{19,20}

News and Events in the Republic of Korea

1. Nuclear Field-Related Events

Past Events

The Korean Nuclear Society (KNS) Spring Meeting 2026

The Korean Nuclear Society (KNS) Spring Meeting 2026 took place on May 6–8, 2026, at the International Convention Center Jeju, South Korea. With 18 specialized workshops and 682 paper presentations, the conference brought together the latest research and technology across the full spectrum of nuclear fields.

KINGS students also took part in this event. Through oral and poster presentations, the students shared their research achievements and demonstrated their academic competence and expertise.^{[21](#)}

Alumnus Abdelrahman Ahmed Abdelrahman Ibrahim (Class of 2026) received the Best Paper Award in recognition of his significant academic contribution. In addition, student [Bartosz Swakowski](#) was selected as a 2026 scholarship recipient and was presented with a Scholarship Certificate.^{[22](#)}

[MORE INFORMATION](#)

Upcoming Events

The 24th General Meeting and 2026 Autumn Conference

The Korean Radioactive Waste Society organizes the conference, which will take place from October 21 to 23 at the Jeju Shinhwa World. The abstract submission deadline is August 21, and the pre-registration deadline is October 2.

[MORE INFORMATION](#)

2. News

South Korean Nuclear Submarines

On May 26, 2026, South Korea's Ministry of National Defense announced its basic plan to develop the country's first nuclear-powered submarine.²³ The plan comes after an agreement was reached during a summit between President Lee Jae Myung and U.S. President Donald Trump last October.²⁴ According to the plan, South Korea will launch its first nuclear submarine by the mid-2030s and deploy it in the late 2030s.²⁵ Although the project may offer significant security benefits, concerns have also been raised regarding its cost, dependence on the U.S., and potential diplomatic complications.²⁶

New NPPs for South Korea?

Concrete pouring for the foundation began on 29 May, marking the official start of Shin Hanul 4 construction. As KHNP notes, Shin Hanul 4 is targeted for completion in 2033, with unit 3 scheduled to begin operating a year earlier. Once both units are completed, they are expected to supply 46% of the Gyeongbuk region's annual power requirements.²⁷ However, with the new semiconductor fabrication plants and the emerging AI data centers, more electricity might be needed.²⁸ Because of that, the Minister (of Climate, Energy and Environment) Sung Whan Kim is not ruling out plans for new NPPs. In the 12th Basic Plan for Electricity Supply and Demand (a 15-year roadmap spanning 2026 to 2040, scheduled for release in September), measures related to nuclear power will be included.²⁹

SMR Development in South Korea

In February 2026, Korea's National Assembly passed the Special Act on the Promotion and Support of SMR Development, establishing a framework including a five-year basic plan and an SMR Development Promotion Committee. The Ministry of Science and ICT plans to invest \$830 million by 2030 in core technology development for 3 domestically developed SMR types. A consortium led by KHNP and the KAERI is developing the Innovative Small Modular Reactor, an integrated pressurized water reactor-type nuclear power plant. Under South Korea's 11th Basic Plan, which calls for 700 MW of SMR capacity to be built by 2038, Gijang-gun in Busan has been selected as the candidate site for a new SMR.³⁰ Additionally, on Tuesday, July 7, a memorandum of cooperation was signed among South Korea, the USA, and Japan. Under the memorandum, the three countries will identify third-party countries interested in small modular reactors in the Indo-Pacific region and support the construction of multiple SMRs through a standard fleet and simplified contracting procedures.³¹

Questions?

Reach out to our Administrators:

Czech Administrator: marketa.zavoralova@czechncc.cz

Polish Administrator: ncc@fuw.edu.pl

Find Us At:

[LinkedIn](#)

[Czech NCC Website](#)

[Polish NCC Website](#)

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