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International Atomic Energy Agency
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国际原子能机构
International Atomic Energy Agency
Agence internationale de l'énergie atomique
Международное агентство по атомной энергии
Organismo Internacional de Energía Atómica

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Date: 2017-10-25

Addressee(s):

National Liaison Officers

Permanent Missions

Reference: EVT1704609 - INT/2/018

Subject: Master's Degree Programme in Nuclear Engineering KEPCO International Nuclear Graduate School (KINGS), Korea, from February 2018 – January 2020 (2 years)

Dear National Liaison Officer,

I would like to inform you that the IAEA together with KEPCO International Nuclear Graduate School (KINGS) of Korea is organising the above mentioned Master's Degree programme in Nuclear Engineering under the interregional project INT/2/018 "*Supporting Knowledgeable Decision-making and Building Capacities to Start and Implement Nuclear Power Programmes*" in Ulsan, Korea from February 2018 to January 2020 (2 years programme).

The purpose of the Master's Degree programme is to provide prospective future personnel of nuclear power programmes in the Member States with an overall understanding of factors that are needed in order to have a safe, secure and sustainable nuclear power programme.

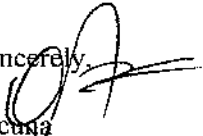
We would appreciate receiving the Fellowship nominations for your respective candidates by **17 November 2017**. Nominations should be submitted to the IAEA online through the Technical Cooperation Department's InTouch+ system (<http://intouchplus.iaea.org>) for the event **EVT1704609**. Should this not be possible, nominations may be submitted on the standard IAEA Application for Fellowships with reference to the event number **EVT1704609**. Completed forms should be endorsed by relevant national authorities and returned to the Agency through official channels, i.e. the office of the National Liaison Office.

In addition, candidates should also apply directly to KINGS. Additional information on eligibility and guidelines on the application process can be found on the website: <http://www.kings.ac.kr>.

Please refer to the attached prospectus, for further details.

Thank you for your cooperation.

Yours sincerely,


Oscar Acuña
Programme Management Officer, TCAP 1
Division for Asia and the Pacific

Attachments: Prospectus

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International Atomic Energy Agency

**Master's Degree Programme in Nuclear Power Plant (NPP) Engineering
KEPCO International Nuclear Graduate School (KINGS)
Republic of Korea**

EVT1704609

PROSPECTUS

- Project no and Title:** INT/2/018 – Supporting Knowledgeable Decision-making and Building Capacities to Start and Implement Nuclear Power Programmes
- Date:** February 2018 – January 2020 (2 years)
- Event Number:** EVT1704609
- Deadline for nominations:** 17 November 2017
- Languages:** English (All documents and discussions will be conducted in English).
- Organizers:** The International Atomic Energy Agency (IAEA) in cooperation with KEPCO International Nuclear Graduate School (KINGS).
- IAEA:
Mr Oscar Acuna, Division for Asia and the Pacific, Department of Technical Cooperation; Tel: +43 1 2600 25985, E-mail: O.Acuna@iaea.org
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- Host Country Organizer:** **Ms. Hyo-jung Kim**, Professor, Head, Office of Global Initiatives, Tel.: +82 52 712 7302, Email. hyojkim@kings.ac.kr, KINGS, 658-91, Haemaji-ro, Seosaeng-Myeon, Ulju-Gun, Ulsan, 45014, Republic of Korea
- Purpose:** The purpose of the two years Nuclear Engineering Master's degree programme is to provide prospective future personnel of nuclear power programmes in the Member States with an overall understanding of factors that are needed in order to have a safe, secure and sustainable nuclear power programme.
- Expected** An increased number of qualified nuclear engineers with solid knowledge and expertise in the fundamental aspects related to developing, operating and

Output:	regulating a safe and secure nuclear power programme.
Scope and Nature:	KEPCO International nuclear graduate School (KINGS) is an educational institute established to cultivate the next generation of professionals in planning, design, construction, operation and management of nuclear power plants (NPPs). KINGS has developed a programme, curriculum and teaching method that is unique and innovatively to educate and train international nuclear professionals who will contribute to the enhancement of nuclear safety and technology.
Background:	<p>As today's global economy expands in pace with the explosion of world population and technological advance, the international community faces no greater challenge than to meet the imperative of sustainable development. Central to this challenge is the need to identify and deploy a mix of energy technologies that can propel global economic growth – and meet urgent human needs – without grievous and potentially catastrophic damage to the planetary environment. There is growing support world-wide for a stronger reliance on nuclear power as a sustainable energy source that is compatible with environmental stewardship.</p> <p>This programme will focus mainly on training young professionals from countries embarking on new or expanding nuclear power programmes with managerial potential about the nuclear engineering aspects related to the development of nuclear power programmes.</p> <p>The objective of the KINGS Master's degree programme is to provide a broader knowledge of nuclear engineering than usual Master's degree programme and to develop competence in engineering application or design but with a reduced emphasis on research. The programme includes completion of both an extensive and individually arranged academic course programme and a special project of significant engineering value.</p>
Target Countries:	Argentina, Armenia, Bangladesh, Belarus, Brazil, Bulgaria, Czech Republic, Egypt, Hungary, Iran, Jordan, Kenya, Lithuania, Mexico, Nigeria, Pakistan, Poland, Romania, Slovakia, South Africa, Turkey, and United Arab Emirates.
Participation:	The Master's degree programme in nuclear power plant engineering is open to a total of 10 participants from the target countries that need assistance to enhance the number of staff involved in launching or expanding nuclear power programmes.
Participants' Qualifications And experience:	<p>The Master's degree programme in nuclear power plant engineering is for junior professionals in the target countries involved in the development of new or expanding nuclear power programmes. Ideally, these individuals should represent the nuclear energy programme implementing organization, owner/operator organization, regulatory body or relevant technical support organization. Applicants should include a description of their current and future role in the nuclear power programme, as well as how this education will support the overall objectives of the programme. Applicants need to be supported by their institution and meet the following criteria:</p> <ul style="list-style-type: none">• Hold a bachelor's degree or its equivalent in sciences and/or engineering from a recognized university (bachelor's degree holder of other areas with

working experiences in policy making for national energy supply or nuclear energy applications could also apply).

- Preferably one (1) year practical working experience.
- Possess a proficiency in English (spoken, written and reading) enabling them to read and express themselves in this language without difficulty.

The Master's Degree of KINGS is cleared by the Ministry of Education (MOE) of Republic of Korea and will be officially recognized in all Member States.

**Nomination
Procedure:**

Nominations should be submitted to the IAEA online through the Technical Cooperation Department's InTouch+ system (<http://intouchplus.iaea.org>) for event **EVT1704609**. Should this not be possible, nominations may be submitted on the standard IAEA Application for Fellowships with reference to **EVT1704609**.

Completed forms should be endorsed by relevant national authorities and returned to the Agency through official channels, i.e. the office of the National Liaison Office.

Applications must be received by the International Atomic Energy Agency, P. O. Box, A-1400 Vienna Austria, not later **than 17 November 2017**.

Nominations received after this date or which have not been routed through the established official channels cannot be considered.

Advanced nominations by facsimile (+43-1-260007) or e-mail to (Official.Mail@iaea.org) are welcome. The facsimile/e-mail should contain the following basic information about the candidate(s): name, age, gender, academic qualifications, and present position including exact nature of duties carried out, proficiency in English, and full working address (including telephone and fax numbers, and e-mail) to enable the IAEA to make preliminary evaluation of and to communicate with the candidates.

**Application
Procedure for
KINGS:**

To apply to KINGS, applicants should have earned a bachelor's degree or its equivalent in sciences and/or engineering. This, however, does not discourage bachelor's degree holders in other field areas with working experiences in policy making for national energy supply or nuclear energy applications.

[Application to KINGS and additional information on eligibility and guidelines on the application process can be found on the website: http://www.kings.ac.kr.](http://www.kings.ac.kr)

Applications must be submitted directly and independently by the candidate through the above-mentioned website.

IAEA will give priority consideration to those candidates who fully meet or exceed the application requirements.

**Training on
Basic Security in
The Field
(BSITF):**

In order to comply with UN system-wide security measures, it is *recommended* for all IAEA selected participants to have successfully completed the course “Basic Security in the Field: Safety, Health and Welfare” prior to travelling to attend any training course. The aim of the course is to educate participants on how best to avoid or minimize potential dangers and threats, and to show what individuals can do if they find themselves in insecure situations.

The course is available online through the IAEA specific website:

- BSITF, ASITF: <https://training.dss.un.org/courses/login/index.php>

Successful completion of the course is mandatory for the attendance at any training course or meeting sponsored by the IAEA. Upon successful completion of the exam, the system will generate automatically a certificate stating that the candidate has passed the exam and must be printed for submission to the IAEA (either as an e-mail attachment or by fax). This certificate is compulsory for any IAEA-supported activity and should be submitted along with the Nomination Form through the competent authority in your country (NLO). This will avoid last minutes intense preparation from your side as we will not authorize any provision of air tickets or stipends, nor security clearance for individual participant without the timely submission of the certificate. Copies of the certificate should be kept by the candidate for his/her records, as they are valid for a period of three years.

**Administrative
And financial
Arrangements:**

Nominating Governments will be informed in due course of the names of the selected candidates and will, at that time, be given full details on the procedures to be followed with regard to administrative and financial matters. Participants selected by the IAEA for the stipend from countries eligible to receive technical assistance will also be provided with a round-trip economy class air ticket from their home countries to Ulsan, Republic of Korea and insurance coverage. Please note that selected participants will not be eligible to apply for **funded** temporary assignment at KINGS during the duration of the Master’s Degree Programme. It is noted that KINGS will provide these IAEA selected candidates with funding to cover tuition fees, board and lodging. Shipment of accumulated master’s degree programme materials to the participants’ home countries is not the responsibility of the IAEA nor KINGS. Final admission to the master’s degree programme will be decided by the host organization (KINGS) according to its academic admission criteria.

The organizers of the master’s degree programme do not accept liability for the payment of any cost or compensation that may arise from damage to or loss of personal property or from illness, injury, disability or death of a participant while he/she is traveling to and from or attending the master’s degree programme, and it is clearly understood that each Government, in nominating participants undertakes responsibility for such coverage. Governments would be well advised to take out insurance against these risks.