

Newsletter

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What is U-ATOM?

The Academy for Global Nuclear Safety and Security Agent is running a "residential school with a new and unique nuclear education (DOJO for Global Nuclear Safety and Security)". The name U-ATOM is a combination of the words 'Unique' and 'ATOM'.

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FY2016 Graduation Ceremony of U-ATOM



Graduation Ceremony of U-ATOM in FY2016, with the first graduated three students, was held at Multi-purpose Hall in EEI Building on March 28, 2017. Prof. Kenichi Iga, Former President of Tokyo Tech, and Mr. Yasumasa Matsui, TV Asahi Corporation, gave congratulatory addresses to the students. They responded by talking their difficulties during the course for PhD and appreciative words to all the staff of the Academy. They have been given warm cheers from all the attendants, by receiving message boards with the signatures of Academy related people.

What graduates are doing (as of June 2017)

TSUKADA, Keisuke
TOSHIBA
CORPORATION



I am conducting analytical work on reactor and secondary turbine during the reactor startup. Since I had a severe accident simulation training, it directly relates with the present work. Also other knowledges on in-vessel structures or reactor systems obtained at the plant visits are utilized in my current work. Various experiences at U-ATOM are highly valuable to the business world.

FUKATSU, Yuta
Japan Atomic
Energy Agency



I am engaged in research on geological disposals. Although only several months have passed, experiences at U-ATOM have been used; I have entered in the joint project with an institute in Switzerland, where I stayed as an intern. The experience there results in my confidence and positive actions, and finally I got this opportunity. I will further try to expand my possibilities in future.

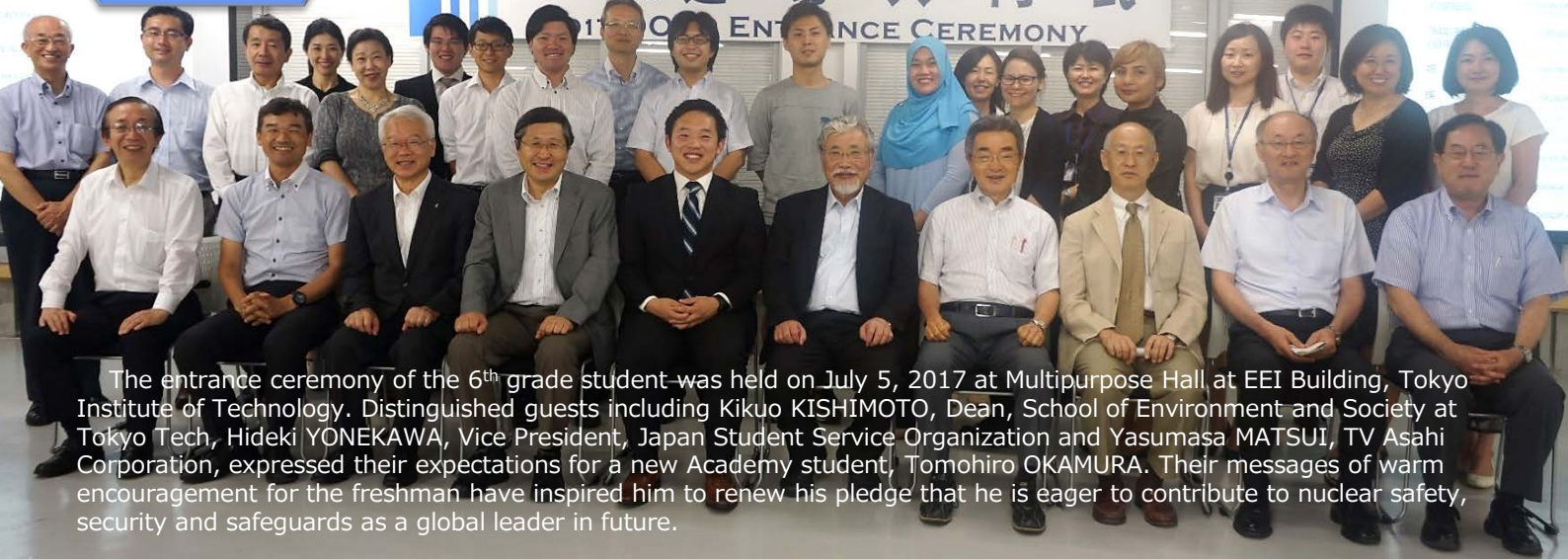
GAO Yun
TEPCO SYSTEMS
CORPORATION



I am engaged in analytical work on severe accident (SA) and collaborative R&D with universities/public sectors for the restart of nuclear power plants. Methodologies and concept of SA analysis studied at U-ATOM have been utilized in the present work. Extended knowledges obtained through visits to nuclear facilities at home and abroad are valuable in the opinion exchange with clients in Japan and overseas.

FY2017 Entrance Ceremony of U-ATOM

Welcome to
U-ATOM,
6th Grade !



The entrance ceremony of the 6th grade student was held on July 5, 2017 at Multipurpose Hall, at EEI Building, Tokyo Institute of Technology. Distinguished guests including Kikuo KISHIMOTO, Dean, School of Environment and Society at Tokyo Tech, Hideki YONEKAWA, Vice President, Japan Student Service Organization and Yasumasa MATSUI, TV Asahi Corporation, expressed their expectations for a new Academy student, Tomohiro OKAMURA. Their messages of warm encouragement for the freshman have inspired him to renew his pledge that he is eager to contribute to nuclear safety, security and safeguards as a global leader in future.

Freshman



OKAMURA, Tomohiro (6th grade, M1)

Since I am willing to be engaged in energy policy in future, I have applied for U-ATOM. I become interested in energy issues in Japan after TEPCO Fukushima accident. Looking ahead to the future progress of Japan, it is important to secure energy resources and I think we should not retreat from nuclear power. U-ATOM provides subjects not only in professional fields, but also various lecturers, coursework and trainings in Japan and abroad, where I want to study hard with high spirits.

The 6th International Symposium and Seminar

From February 20 to March 3, 2017 at Ookayama Campus, the Academy held the 6th International Symposium and Seminar on "3S" (Safety, Security and Safeguards) in collaboration with related organizations in Japan and abroad, and supported by Ministry of Education, Culture, Sports, Science and Technology (MEXT). The event is annually held as a part of education for the global leaders since FY 2011, when U-ATOM was adopted. The meetings mainly focused on safety this time.

In the Symposium, renowned experts invited from Japan and overseas delivered lectures on safety. Also, invited students and young professionals visited Research Institute for Radiation Biology Medicine of Hiroshima University, Radiation Effects Research Foundation, Hiroshima Peace Memorial Museum and MONJU Fast Breeder Reactor in Tsuruga City, Fukui.

In the Seminar, they had a hot group discussion on the global leaders after the lectures from experienced experts. We had totally about 90 participants, including 27 students and 29 lecturers, and one media coverage.



I heard wide spectrum of speeches mainly in the fields of safety, security and safeguards. I visited Hiroshima Peace Memorial Museum in technical tour. At the end of the Seminar we had international group discussion on fuel cycle issue and we presented the results. I have realized my personal growth through the intercommunication with professionals and students over the peace and nuclear energy. I want to increase my abilities in international communication and English.

Voice

D1
SUN
Rongwei



Study Tour and Training (Europe, Asia, Domestic)

Europe Study Tour - Lithuania, Austria and Switzerland (Sept. 10-22, 2016)

In Lithuania, seven DOJO students held a group discussion with students at the Kaunas University of Technology regarding the present status and issues of nuclear power, and enriched their understanding. They also visited the Embassy of Japan in Lithuania and Sugihara House. In Austria, they visited the International Atomic Energy Agency, the Comprehensive Nuclear-Test-Ban Treaty Organization, and the Permanent Mission of Japan to the International Organizations in Vienna. In Switzerland, they visited Mont Terri Rock Laboratory and Grimsel Test Site. The students had on-site experiences on the international investigation projects for the feasibility and safety on disposal of high level radioactive wastes.



I had a fulfilling group discussion by utilizing abilities of English and discussion methodology developed at DOJO. At the site visit to geological disposal in Switzerland, I was so amazed by the large scale of the facilities and also could deepen the knowledge on the final disposal of high-level radioactive waste. As a whole, after touching with diversified people and cultures in various countries, I feel that I need to understand more about Japanese culture.

Voice

D1
KANAGAWA,
Shun



Asia Study Tour - Malaysia (May 1-6, 2017)

At The National University of Malaysia and Universiti Tenaga Nasional, DOJO students had intercommunication with students and also had site visits. At Malaysia Nuclear Agency and Atomic Energy Licensing Board, they had information exchange with young researchers/staffs. Through the intercommunication and visits, the students have actively learnt a lot, while feeling the nature of Malaysia, such as thick palm trees and wild monkeys in universities and sites.



Through the visit to universities and national organizations, I could not only understand efforts and challenges on nuclear in Malaysia, but also hear direct opinions of nuclear students, thus I spent a valuable time. At the same time, through the group discussions, I was able to increase the ability to accomplish project in international occasions. Most of all, I got many friends who are leaning nuclear.

Voice

M2
FUKUDA,
Kodai



Domestic Study Tour - Nagasaki & Hiroshima (Nov. 26-28, 2016)

Visiting Hiroshima and Nagasaki is a special opportunity for students learning nuclear in Japan, the only atomic bombed nation in the world. They visited many bombed facilities and places, including museums. This was a real experience for them to improve their attitude toward nuclear by witnessing not only peaceful use of nuclear but also negative realities.



Other Practical Exercises

Exercises	Dates	Location	Main contents
Simulation of Severe Nuclear Accidents	July 19-22, 2016	The Japan Nuclear Power Company (Tsuruga, Fukui)	Training on severe accident analysis using simulator
Environmental Dynamics of Radioactive Nuclides	August 22-26, 2016	Tokyo Tech	Training on numerical simulation for prediction of environmental dispersion of radionuclides
Domestic Training (Horonobe)	August 29-31, 2016	JAEA (Horonobe, Hokkaido)	Visit to R&D facilities at Horonobe Underground Research Center
Nuclear Security Training	June 2017	Tokyo Tech, JAEA (Tokai, Ibaraki)	Practical training on nuclear security in fundamentals and application

Reports on International & Domestic Internships



AOKI, Takeshi (2nd Grade, D3)
Texas A&M University

I learned a lot through the internship by touching research life, culture, national character and religion of US. It was impressive that professors and students have reasonable closeness, and strong trust relationship with each other, and that students have self-confidence and high motivation. Although US has a relatively short history, I felt it has profound and warm cultures.



YOU Yan (2nd Grade, D3)
Japan Atomic Energy Agency
Sector of Fukushima R&D

I experienced the difference of research activities between university and institute. It was only 4 months, but I learned needed educational program, such as treatment of radioactive materials, disaster responses and information security in several tens hours. I realized once again that the safety management is placed a high priority at JAEA experimental sites.



KAWAI, Kota (2nd Grade, D3)
Belgian Nuclear Research Centre

I learned about the understanding and respect of diverse values in order to play an active role in the global community, by collaborative work with staffs of various nationalities. It was a valuable experience for me to find out aptitude and cultivate abilities to work abroad, and to specifically clarify my career path.

DOJO Lectures (FY 2016)

DOJO students could learn and think about nuclear and energy with a different angle from the daily research, by the invited lecturers from various industry sectors including nuclear.

- **YOSHIZAWA, Atsufumi** (President, Nuclear Fuel Transport Co. Ltd. [then])
“Experiences at Fukushima Dai-ichi Accident and Organizational Resilience” May 11
- **TANAKA, Nobuo** (President, Sasakawa Peace Foundation [then]
Former Director General, International Energy Agency)
“Energy Strategy in Stormy Situation” July 22
- **KONDO, Hisayoshi** (Head of Education & Training, Disaster Medical Center,
Vice Director, DMAT)
“DMAT Activities at Fukushima Dai-ichi Accident” July 27
- **SUZUKI, Masaaki** (Vice President, Egypt-Japan University of Science and Technology)
“Cross-cultural International Cooperation-Education and Energy” Oct. 6



Upcoming Events

- August 17 Students Exchange Meeting with KAIST
- August 22 Students Exchange Meeting with TAMU
- August 28-Sept.1 7th Int'l Symposium & Seminar



Access for the latest information!



Information