



**The 7<sup>th</sup> Korea-Japan Joint Summer School  
on Accelerator and Beam Science, Nuclear Data, Radiation Engineering and Reactor Physics  
(The 13<sup>th</sup> Accelerator Summer School of KOMAC)  
August 18~22, 2014, Dongguk University/KOMAC, Gyeongju, Korea**  
Hosted by Dongguk University and KOMAC  
Organized by Korean Nuclear Society and Atomic Energy Society of Japan

The 7<sup>th</sup> Korea-Japan Joint Summer School on Accelerator & Beam Science, Nuclear Data, Radiation Engineering, and Reactor Physics will be held from August 18 to August 22, 2014, at Dongguk University and Korea Multi-purpose Accelerator Complex (KOMAC) in Gyeongju, Korea. The summer school is co-hosted by KAERI and Dongguk University, and organized by Korean Nuclear Society (KNS) and Atomic Energy Society of Japan (AESJ) as a time-honored tradition.

The summer school is formulated to provide great opportunities for graduate students and young researchers to study the fundamentals on and cutting-edge trends in accelerator and beam science, nuclear data, radiation engineering, and reactor physics. Rigorous and extensive reviews and perspectives in the fields will be given by leading researchers or professors, including experimental course with a proton accelerator supervised by KOMAC staff. In addition, all the participating students are required to present a poster in order to show and share their own interests and activities in research. (But, undergraduate students are encouraged to take part in the poster presentation.)

Any interested students and young researchers are encouraged to take this unique opportunity to learn the current research trends in the fields. The participants are limited to be about 30 students. To apply for the summer school, please send completed application form or any inquiry to Ky Kim at [ky@kaeri.re.kr](mailto:ky@kaeri.re.kr) no later than July 31<sup>st</sup>, 2014.

#### **Important Notices**

- ❖ Application deadline: July 31<sup>st</sup>, 2014
  - Send the application form to Ky Kim at [ky@kaeri.re.kr](mailto:ky@kaeri.re.kr)
- ❖ Registration fee: Free
- ❖ Accommodation
  - Students: Dormitory of Dongguk University
  - Instructors: Hotel The D.Y. (<http://www.hotelthedy.com>)
- ❖ Home page: <http://www.komac.re.kr/ass2014/>
- ❖ Direct inquiry to Ky Kim at [ky@kaeri.re.kr](mailto:ky@kaeri.re.kr)





## Program (as of August 1, 2014)

Date	Hour	Topic / Event	Field	Lecturer
August 18 (Mon)	15:00~18:00	Registration		
	18:00~20:00	Reception		
August 19 (Tue)	09:00~09:20	Opening & Welcoming		
	09:30~10:20	Advanced Accelerator Development and Application to Nuclear Analyses on Fukushima	AC	Mitsuru UESAKA (Tokyo Univ.)
	10:30~11:20	Accelerator and Beam Science (II) (TBD)	AC	Sungkyun PARK (KAERI/KOMAC)
	11:30~12:20	Overview of Nuclear Data Measurement	ND	Kenji ISHIBASHI (Kyushu Univ.)
	12:20~14:00	Lunch break		
	14:00~17:00	Student's Poster Session		
August 20 (Wed)	09:30~10:20	Experimental Study on Accelerator-Driven System at Kyoto University Critical Assembly	RP	Cheolho PYEON (Kyoto Univ.)
	10:30~11:20	Development of Radiation Protection Devices	RE	Toshikazu SUSUKI (IAEA/ Chiyoda Technol Cop.)
	11:30~12:20	Introduction of Nuclear Data Evaluation and Recent Topics	ND	Satoshi KUNIEDA (JAEA)
	12:20~14:00	Lunch break		
	14:00~14:50	Development of SiPM and a Brain PET-MRI System	RE	Gyuseong CHO (KAIST)
	15:00~15:50	Thorium-based Accelerator Driven Subcritical System and Research Activities in SKKU	RP	Seung-Woo HONG (SKKU)
	16:00~16:50	Accelerator and Beam Science (III) (TBD)	AC	TBD
August 21 (Thu)	09:30~10:20	Nuclear Data Evaluations at Thermal and Resonance Region	ND	Young-Sik CHO (KAERI)
	10:30~11:20	PET & Development of Radiation Detectors	RE	Taiga YAMAYA (NIRS)
	11:30~12:20	Nuclear Technologies for Space Explorations	RP	Yonghee KIM (KAIST)
	12:20~14:00	Lunch break		
	14:00~14:30	Move from Dongguk Univ. to KOMAC		
	14:30~17:00	Accelerator Experiments	AC	KOMAC
	17:00~17:30	Closing Ceremony		
August 22 (Fri)	Morning	Gyeongju City Tour (Optional)		

※ AC: Accelerator & Beam Science; ND: Nuclear Data; RE: Radiation Engineering; RP: Reactor Physics