REPORT FROM WORKING GROUP ON "CRYOGENICS , CRYOMODULE & SUPERCONDUCTING TECHNOLOGY " FOR ACCELERATOR PROGRAMME IN ASIA



Prof. Eun- San Kim Korea University (Chair , LOC)

&

Prof. T S Datta, Former IIT. Kharagpur. India (Chair, Working Group ACFA)



Sorry, Not able to Join you Physically in this meeting

A Proposal by Dr T S Datta to have Asian School on Superconductivity & Cryogenics for Accelerator with Hands on Training (Similar of Asian Accelerator School in 1999)

Was Approved by ACFA : **At Kyoto Meeting (2016) (Chair : Prof Yifang Wang)**

2ND ASSCA School was organized at KEK, Japan During Dec 10- 17, 2017 (Prof. Nakai san)

3rd School at IHEP, Beijing in Dec. 2018 (Prof Gao Jie)
4 th School was at Korea University (Sejong) in February 2023 (Prof. Eun - San Kim) : Delayed because of COVID
5th School was again at KEK. Japan in February 2024

6 th ASSCA was at HEPS Campus of IHEP / CHINA during March 2025 (Chair : Prof. Ge Rui)
7 th ASSCA was at Korea University (Sejong) in February 2026 (Prof. Eun - San Kim)

The 7th Asian School on Superconductivity and Cryogenics for Accelerators

February 1–9, 2026, Korea University Sejong Campus, Sejong, Republic of Korea



Objective

To train next generation of future accelerator scientists and engineers specialized in superconductivity and cryogenics

To improve knowledge of superconductivity and cryogenics for accelerators through lectures and hands-on training

Program

Lectures: Introductory Courses, SC Magnet, SRF Cavity, Cryogenics, Special Lectures

Hands-on training: SC magnet, SC cavity, Cryogenics

Field Trip and Excursion

Tour location: Gongju (Gongju was called Woongjin during the Three Kingdoms Period and was the capital of Baekje which is one of the ancient Korean countries from 475 to 538.

The 7th Asian School on Superconductivity and Cryogenics for Accelerators

February 1–9, 2026, Korea University Sejong Campus, Sejong, Republic of Korea

International Advisory Committee

Eun-San Kim (KU, Korea)
Tripti Sekhar Datta (IIT, India)
Yasuhiro Makida (KEK, Japan)
Eiji Kako (KEK, Japan)
Hirotaka Nakai (KEK, Japan)
Rui Ge (IHEP, China)
Jiyuan Zhai (IHEP, China)
Nattawut Tharawadee (SU, Thailand)

Local Organizing Committee

Eun-San Kim (KU, Korea), Chair
Byeong Rok Ko (KU, Korea)
Yumi Lee (KU, Korea)
Soohyung Lee (KU, Korea)
Young Kwon Kim (IBS, Korea)

School Website: https://indico.korea.ac.kr/event/106/

고려대학교 세종캠퍼스 KOREA UNIVERSITY SEJONG CAMPUS

KEK High Energy Accelerator Research Organization

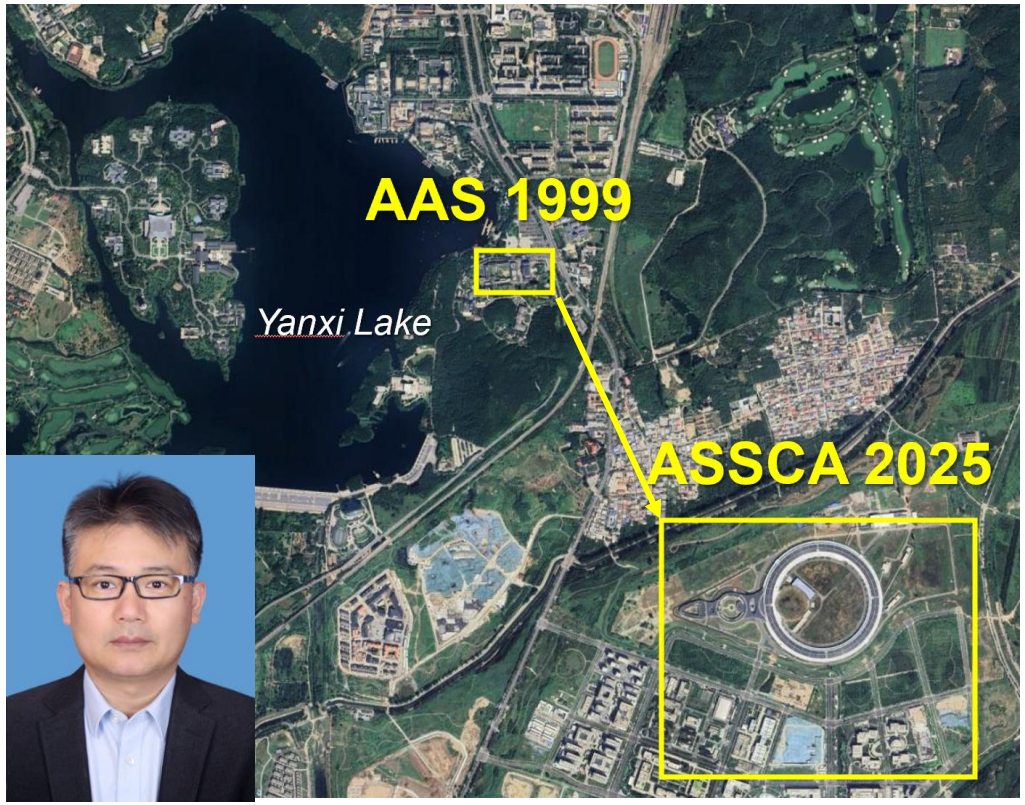
Ministry of Science and ICT

Group Photo


Seventh Asian School on
Superconductivity and Cryogenics for Accelerators
1 - 9 Feb, 2026 Korea University Sejong Campus, Korea
KOREA UNIVERSITY
SEJONG CAMPUS
Ministry of Science and ICT

Last ASSCA School (2025) Back to Huairou 25 Years Later

(History)





Asian Accelerator School: Physics and Engineering of High Performance Electron Storage Rings and Application of Superconducting Technology (Huairou and Beijing, China, November 22-December 4, 1999)



They attended Both AAS 99 & ASSCA25

Curriculum

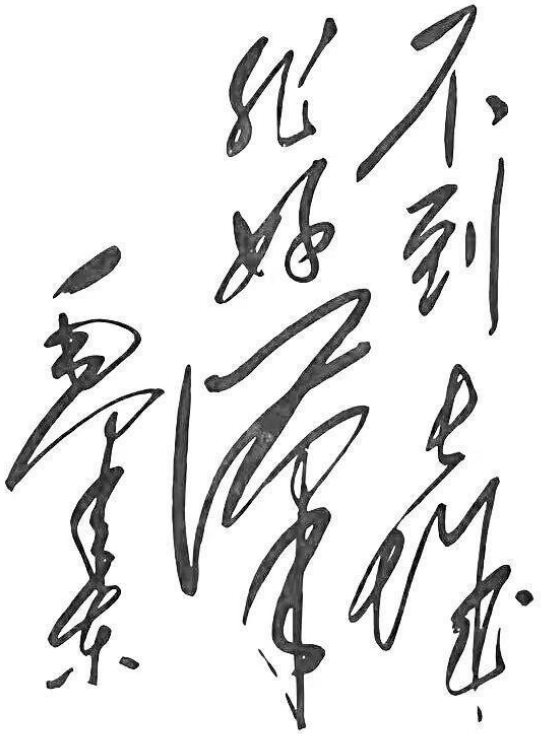
- **6 day** courses
- **50 students** from 6 Asian countries
- **18 lectures** by 15 experts (10 from outside Korea)
- **(6 hands-on trainings** by 10 experienced instructors from KU (Korea) & KEK (Japan)

Time	Day 1 Sun Feb 1	Day 2 Mon Feb 2	Day 3 Tue Feb 3	Day 4 Wed Feb 4	Day 5 Thu Feb 5	Day 6 Fri Feb 6	Day 7 Sat Feb 7	Day 8 Sun Feb 8
09:00~10.20 (80min)	Arrival	Introduction I *Prof. Tripti Sekhar Datta* (IIT, India)	SC Magnet I *Prof. Toru Ogitsu* (KEK, Japan)	SC Magnet IV *Prof. Yasuhiro Makida* (KEK, Japan)	SRF Cavity II *Prof. Peng Sha* (IHEP, China)	SRF Cavity V *Dr. Sung Ju Park* (PAL, Korea)	Cryogenics III *Prof. Hirotaka Nakai* (KEK, Japan)	
10:20~10:40 (20min)		Break						
10:40~12:00 (80min)		Introduction II *Prof. Eiji Kako* (KEK, Japan)	SC Magnet II *Prof. Qingiin Xu* (IHEP, China)	SC Magnet V *Dr. Soo Hyeon Park* (KFE, Korea)	SRF Cavity III *Dr. Junho Han* (KAT, Korea)	Cryogenics I *Prof. Tripti Sekhar Datta* (IIT, India)	Cryogenics IV *Prof. Xilong Wang* (IASF, China)	
12:00~13:30 (90min)		Lunch						Excursi (10:30 16:30)
13:30~14:50 (80min)		Introduction III *Prof. Toru Ogitsu* (KEK, Japan)	SC Magnet III *Prof. Masami Iio* (KEK, Japan)	SRF Cavity I *Prof. Hongtao Hou* (SARI, China)	SRF Cavity IV *Dr. Hyo Jae Jang* (IBS, Korea)	Cryogenics II *Prof. Rui Ge* (IHEP, China)	Cryogenics V *Dr. Seo Jung Kim* (IBS, Korea)	
14:50~15:10 (20min)		Break						
15:10~18:00 (170min)		Hands-on Training [*Prof. Byeong Rok Ko* (KU, Korea), *Prof. Soohyung Lee* (KU, Korea), *Prof. Yumi Lee* (KU, Korea), *Prof. Yasuhiro Makida* (KEK, Japan), *Prof. Eiji Kako* (KEK, Japan), *Dr. Shiori Kessoku* (KEK, Japan), *Prof. Nattawut Tharawadee* (SU, Thailand)]						
18:00~19:30 (90min)		Dinner						

Thanks Organiser for a Wonderful Banquet and Excursion

8th ASSCA will be in Thailand (2027)

Thanks ACFA for your Kind attention



He who has never been to the Great Wall is not a true man.