

양자가 **현실**이 되다, **혁신**을 위한 담대한 도전
Quantum in Action, Grand Challenges for Innovation


























퀀텀 코리아 2026

QUANTUM KOREA 2026

July 2 ^(THU) ~ 4 ^(SAT), 2026
Art Hall, DDP, Seoul, Republic of Korea



1. Overview

 Title	Quantum Korea 2026
 Slogan	Quantum in Action, Grand Challenges for Innovation
 Summary	Quantum Korea is an international event looking into the global trends of quantum ecosystem innovations. Global quantum science and technology researchers, related companies, and government representatives take part
 Period	July 2 (Thu) – 4 (Sat), 2026
 Venue	Art Hall, DDP
 Opening Hours	09:00 ~ 17:00
 Main Events	Exhibition / Conference / International Cooperation Program / Public Lectures / Side Events, etc.
 Host	 과학기술정보통신부 Ministry of Science and ICT  퀀텀코리아2026조직위원회 Quantum Korea 2026 Organizing Committee
 Organizer	 성균관대학교 SUNGKYUNKWAN UNIVERSITY(SJKU)  양자정보연구지원센터 Quantum Information Research Support Center  성균관대학교 산학협력단  KRIS 한국표준과학연구원 Korea Research Institute of Standards and Science
	 ETRI 한국전자통신연구원 www.etri.re.kr  KIST 한국과학기술연구원 Korea Institute of Science and Technology  KISTI 한국과학기술정보연구원 www.kisti.ac.kr  QISK 한국양자정보학회 Quantum Information Society of Korea
	 KQIA 한국양자산업협회 Korea Quantum Industry Association  미래양자융합포럼 Future Quantum Convergence Forum  NRF 한국연구재단 National Research Foundation of Korea  IITP 정보통신기획평가원 Information & Communications Technology Planning & Evaluation
	 NIA 한국지능정보사회진흥원 NATIONAL INFORMATION SOCIETY AGENCY
 Website	https://quantum-korea.kr

1. Overview

Organizing Teams

In order to ensure the successful completion of the 'Quantum Korea 2026' event, representatives from academic societies, business associations, and government-funded research institutes in relevant fields as well as government officials are participating as organizing committee members. It operates based on the synergy of industry, academia, research organizations, and government.



Organizing Committee

Classification	Name	Affiliation / Position
Chairperson	Taehyun Kim	Professor, Seoul National University
Academia	Donghun Lee	President, Quantum Information Society of Korea
	Eunseong Kim	Professor, KAIST Graduate School of Quantum Science and Technology
Industry	Seong-Hyok Kim	Managing Director, LG Electronics
	Tak-Gi Ryu	Vice President, SKT
Research	Yongsu Kim	Head, Center for Quantum Information, KIST
	Jaehyuk Choi	Director, Quantum Technology Institute, KRISS
	Chunju Youn	Assistant Vice President, Quantum Technology Research Division, ETRI
	Jaegyeon Hahm	Head, Quantum Computing Service Center, KISTI
Government	Kyung-Sook Yoon	Director General, R&D Policy Bureau, MSIT
	Seong-Uk Jeong	Director, Quantum Technology Division, MSIT
Administrative secretary	Yonuk Chong	Director, QCenter, Sungkyunkwan University
Advisor	Jaewan Kim	Director, Center for Hyper-Connected Scalable Super-Quantum Computing, KRISS

1. Overview

Steering Committee

Conference on Quantum Information Committee

Classification	Name	Affiliation / Position
Co-Chairperson	Donghun Lee	Professor, Department of Physics, Korea University
	Junghee Ryu	Director, Quantum Information Application Research Center, Korea Institute of Science and Technology Information (KISTI)
Committee Member	Sang-Wook Han	Head, Quantum Technology Application Hub, Korea Institute of Science and Technology (KIST)
	Taeyoung Choi	Associate Professor, Department of Physics, Ewha Womans University
	Seok-Kyun Son	Associate Professor, Department of Physics, Kyung Hee University
	Kihwan Kim	Director, Center for Trapped Ion Quantum Science, Institute for Basic Science
	Yong-Su Kim	Head, Center for Quantum Information / Principal Researcher, Korea Institute of Science and Technology (KIST)
	Changsuk Noh	Associate Professor, Department of Physics, Kyungpook National University
	Jinwoong Cha	Senior Researcher, Korea Research Institute of Standards and Science (KRISS)
	Yosep Kim	Assistant Professor, Department of Physics, Korea University
	Je-Hyung Kim	Associate Professor, Department of Physics, Ulsan National Institute of Science and Technology (UNIST)
	Myung-Joong Hwang	Associate Professor of Physics, Duke Kunshan University, China
	Taehyun Kim	Associate Professor, Department of Computer Science and Engineering, Seoul National University

International Research and Industry Exhibition Committee

Classification	Name	Affiliation / Position
Chairperson	Jaegyoong Hahm	Head, Quantum Computing Service Center, KISTI
Committee Member	Brad Kim	CQO, MegazoneCloud
	Sangyun Uhm	CEO, IDQ Korea
	SangWook Woo	CEO, PharmCADD
	Hyosil Kim	Director, Future Quantum Convergence forum
	Yonuk Chong	Director, QCenter

International Cooperation Committee

Classification	Name	Affiliation / Position
Chairperson	Jinhee Kim	Director General, K-Quantum International Cooperation Office, KRISS
Committee Member	Seokho Kim	Program officer, Quantum Technology Division, NRF
	Yoonchae Cheong	Director, Korea-US Quantum Technology Cooperation Center
	GapDong Park	Director, Korea Europe Quantum Science Technology Cooperation Center
	Yonuk Chong	Director, QCenter

1. Overview

전체일정

Classification	DDP			JW Marriott Dongdaemun Square Seoul
	Art Hall 1	Art Hall 1,2	Conference Hall	
July 1 (Wed)				CQI Day 1 10:00-18:30
[DAY 1] July 2 (Thu)	Opening Ceremony 10:00-10:30	International Research and Industry Exhibition 09:00-17:00	Opening Ceremony / Keynotes (Live Streaming) 10:00-11:30	CQI Day 2 13:00-17:30
	Keynote 1 10:30-11:00			
	Keynote 2 11:00-11:30			
	<div>Play</div> Quantum War 11:30-12:30		Quantum Frontier Forum 14:00-18:00	
	Exhibitor Session 13:00-16:00			
[DAY 2] July 3 (Fri)	Exhibitor Session 10:20-12:00		Quantum Frontier Forum 10:00-12:00	CQI Day 3 09:30-16:00
	<div>Play</div> Quantum War 12:00-13:00		Quantum Talent Development Briefing 14:00-16:00	
	Exhibitor Session 13:00-16:00			
[DAY 3] July 4 (Sat)	<div>Public Lecture ①</div> Magician 10:00-10:30		Quantum Lounge 10:00-17:00	
	<div>Public Lecture ②</div> Orbit 10:30-11:30			
	<div>Public Lecture ③</div> Seongbeom Heo, Science Cookie 11:30-12:30			
	<div>Public Lecture ④</div> Sebasi 15 15:00-17:00			

※ The detailed schedule may vary depending on the operational situation.

2. Conference

| Keynotes

July 2(Thu), 10:30 - 11:00



- Professor in Electrical Engineering and Physics, Massachusetts Institute of Technology (MIT)

Prof. Isaac Chuang

“A global leader in quantum computing and quantum information science”

Prof. Isaac Chuang is a leading scholar in the fields of quantum computing and quantum information science.

He is a Professor of Electrical Engineering and Physics at Massachusetts Institute of Technology and has pioneered research in quantum information processing, quantum algorithms, and quantum control, including early demonstrations of NMR-based quantum computing systems. He is also widely recognized as the co-author of Quantum Computation and Quantum Information, one of the most influential textbooks in the field, and continues to contribute to the advancement of global quantum technologies across academia and industry.

July 2(Thu), 11:00 - 11:30



- Chair in Theoretical Quantum Information Science, Imperial College London

Prof. Myungshik Kim

“A world-renowned researcher leading advances in quantum optics and quantum information technologies”

Prof. Myungshik Kim is a globally recognized researcher in the fields of quantum optics and quantum information science.





He is a Professor in the Department of Physics at Imperial College London and has conducted extensive research in continuous-variable quantum information processing, quantum communication, quantum sensing, and photonic quantum technologies. Through international collaborations and academic leadership, he has contributed significantly to the advancement of global quantum technology research.

In particular, his influential work on quantum entanglement and photonic quantum technologies continues to expand the possibilities of next-generation quantum applications.

2. Conference

Conference on Quantum Information (CQI)

● Overview






 Date	July 1 (Wed) – 3 (Fri), 2026
 Venue	Grand Ballroom, JW Marriott Dongdaemun Square Seoul
 Theme	"Think, Talk, Feel Quantum!"
 Program	4 Tracks, 14 Sessions (Quantum Computing, Quantum Science, Quantum Communication, Quantum Sensing)

● Schedule

Classification	July 1 (Wed)		July 2 (Thu)	July 3 (Fri)	
	Room 1	Room 2	Room 1+2	Room 1	Room 2
09:00 - 09:30			Participants are encouraged to attend the Quantum Korea 2026 Opening Ceremony at 10:00 and the Plenary Talk at 10:30, which will be held at the nearby DDP. No registration fee will be charged for this event.	Registration	
09:30 - 10:00	Registration			<div>Session 5A</div> Quantum Computing III	<div>Session 5B</div> Quantum Science III
10:00 - 10:30	<div>Session 1A</div> Quantum Computing I	<div>Session 1B</div> Quantum Communication I		Hyukjoon Kwon Jianwei Wang	Valerio Scarani Myungjoong Hwang
10:30 - 11:00	Dohun Kim	Masahiro Takeoka Ye Wang		Break time	
11:00 - 11:30	Lunch			<div>Session 6A</div> Quantum Computing IV	<div>Session 6B</div> Quantum Communication II
11:30 - 12:00				Xiao Yuan Ting Rei Tan	Alexander Ling Sunghyun Bae
12:00 - 12:30				Registration	
12:30 - 13:00				Lunch	
13:00 - 13:30	<div>Session 2A</div> Quantum Computing II	<div>Session 2B</div> Quantum Sensing I	Poster Session I	Lunch	
13:30 - 14:00	Andrew Cleland Yvonne Y. Gao	Atsushi Yamaguchi Maciej Koperski			
14:00 - 14:30	Break time				
14:30 - 15:00	<div>Session 3A</div> Quantum Science I	<div>Session 3B</div> Quantum Sensing II	Break time	<div>Session 7A</div> Quantum Computing V	<div>Session 7B</div> Quantum Communication III
15:00 - 15:30	Gil-Ho Lee David F. Mross	Sergei Slussarenko Hyang-Tag Lim	Poster Session II	Kihwan Kim Yiheng Lin	Sang-Yun Lee Davide Bacco
15:30 - 16:00	Break time				
16:00 - 16:30					
16:30 - 17:00	Break time				
17:00 - 17:30	<div>Session 4A</div> Quantum Science II	<div>Session 4B</div> Quantum Sensing III			
17:30 - 18:00	Joonwoo Bae Jian-Qiang You	Fazhan Shi In-ho Bae			
18:00 - 18:30					

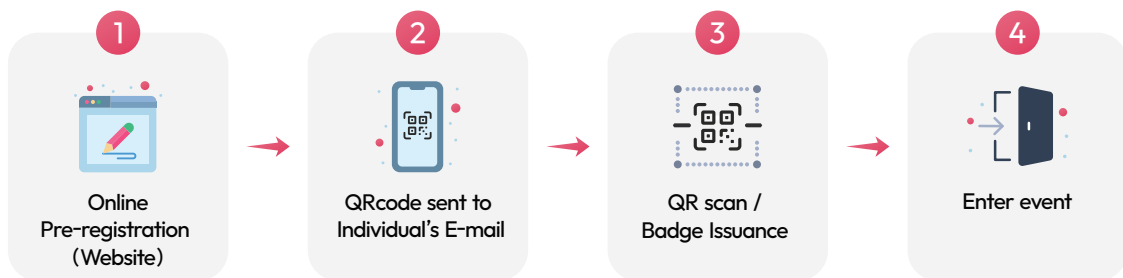
3. Exhibition

● Overview

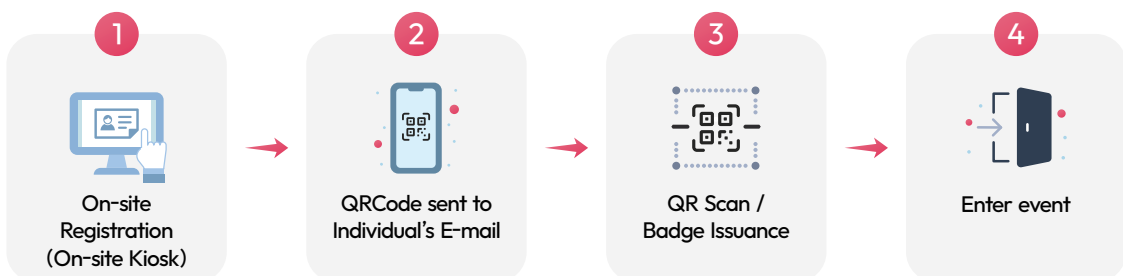
 Venue	Art hall 1 - 2, DDP, Seoul, Republic of Korea
 Period	July 2 (Thu) – 4 (Sat), 2026
 Opening Hours	9AM – 5PM
 Entrance Fee	Free
 Pre-Registration Period	May 22 (Fri) – June 26 (Fri), 2026

● Exhibition Entrance Process

Pre-registration



On-siteRegistration



3. Exhibition

Booth Layout



List of Exhibitors

PACKAGE A

A-01	ETRI
A-02	KISTI
A-03	Megazone Cloud
A-04	GYEONGGI-DO
A-05	KIST
A-06	KRISS
A-07	NIA
A-08	SDT Inc.
A-09	Sungkyunkwan University
A-10	NRF
A-11	IITP
A-12	SK Telecom
A-13	Embassy of the Kingdom of the Netherlands
A-14	Embassy of Canada
A-15	KAIST
A-16	Quandela
A-17	KT
A-18	IBM
A-19	Zurich Instruments
A-20	IONQ
A-21	Classiq Technologies, Ltd.
A-22	NextQuantum, Seoul National University
A-23	Seoul

PACKAGE B

B-01	Quantum Machines
B-02	QSIMPLUS
B-03	SCHOOL OF QUANTUM, KOREA UNIVERSITY
B-04	WITHWAVE
B-05	Korea Quantum Computing Co., Ltd
B-06	LG CNS
B-07	Agency for Defense Development
B-08	Busan IT Industry Promotion Agency
B-09	Australian Embassy
B-10	IQM Quantum Computers
B-11	PASQAL KOREA
B-12	Yonsei Quantum Computing Project Group
B-13	ASK Corporation

PACKAGE C

C-01	SEJONG CITY
C-02	Korea Quantum Industry Association
C-03	Chungnam Institute
C-04	Unitech Corp.
C-05	LQUOM, Inc.
C-06	ICTK
C-07	Qudora Technologies GmbH
C-08	Ulsan National Institute of Science and Technology
C-09	Norma
C-10	ORIENTOM
C-11	SCALINQ
C-12	Chang Woo, Inc.
C-13	Daejeon Technopark
C-14	Jinsung Instruments, Inc.
C-15	OptiQ-Labs Co., Ltd.
C-16	Gangwon Techno Park
C-17	Limotionsystems
C-18	Qunova Computing Inc.
C-19	CHOIS TECHNICS CORP.
C-20	Cryo H&I

4. International Cooperation





Quantum Korea 2026

●Program Overview

July 2 (Thu) / Day 1	July 3 (Fri) / Day 2
Quantum Networking Reception *Invitation Only	Quantum Frontiers Forum
Quantum Frontiers Forum	

| Quantum Frontiers Forum

●Overview



 Date	July 2 (Thu) – 3 (Fri), 2026
 Venue	DDP Conference Hall
 Purpose	Sharing national policies, industry and standardization trends, and exploring ways to foster the quantum ecosystem
 Participants	Open to quantum policy stakeholders, IAR-G experts, and the public

●Schedule

Date		Program
July 2 (Thu)	14:00 – 16:00	Session 1. National strategy updates
	16:00 – 18:00	Session 2. Industry use-case
July 3 (Fri)	09:30 – 12:00	Session 3. International standardization trends and collaboration strategies

5. Public Lectures

● Overview

 Venue	Art Hall 1 – Main Stage, DDP, Seoul, Republic of Korea
 Date	July 4 (Sat), 2026

Public lecture ① Science Magic Show 10:00 - 10:30

"Science and Magic Are They Really Different?"

Magician

"Magician", a wandering magician who brings physics theories to life through magic

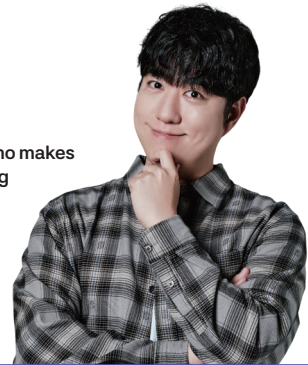


Public lecture ② 10:30 - 11:30

Decoding the Strange but Useful World of Quantum Physics

Orbit

Science Communicator who makes science easy and engaging



Public lecture ③ Talk Concert 11:30 - 12:30

Quantum Beyond the Hype



Heo Seongbeom

Content Creator specializing in Science and Mathematics

Science Cookie

Science content creator making scientific concepts engaging and accessible

Public lecture ④ SEBASI 15 15:00 - 17:00

Quantum: The Smallest Things Shape the Greatest Future



Junghyun Lee

Senior Researcher,
Center for Quantum Technology,
Korea Institute of Science and Technology

Sejeong Kim

Professor,
Department of Electronic and Electrical
Engineering, Sungkyunkwan University



Kwon Park

Professor,
School of Physics,
Korea Institute for Advanced Study

Joonhee Choi

Professor,
Department of Electrical Engineering,
Stanford University

Kiwhan Kim

Director,
Center for Trapped Ion Quantum Science,
Institute for Basic Science

Quantum **korea** 2026