



EKC2024

Europe-Korea Conference on Science and Technology

**IMPACT, INNOVATION AND
CONNECTIVITY FOR TRANSFORMING
TOMORROW TOGETHER**

30 July – 02 August 2024
The Oculus, University of Warwick
United Kingdom

<https://www.ekc2024.org>

Europe-Korea Conference on Science and technology (EKC) has been the premiere conference for Korean and European engineers and scientists to present their recent achievements. Drawing participants from Korea and Europe, EKC seeks to develop new relationships, exchange knowledge & ideas and discuss recent progress and future trends in Science and Technology

EKC2024, the 16th EKC, will be held in Birmingham/Coventry, the UK from 30 July - 2 August 2024. It will be hosted by the Korean Scientists and Engineers Association in the UK (KSEAUK) together with the Korean Federation of Science and Technology Societies (KOFST) and eight other Korean Scientists and Engineers Associations in Europe which are in Germany (VeKNI), France (ASCoF), Austria (KOSEAA), Finland (KOSES), Scandinavia (KSSEA), the Netherlands (KOSEANL), Switzerland (KSEAS), and Belgium (KOSEAbE). Since its first successful start in 2008 in Heidelberg, Germany, EKC has been held annually in different European countries and has become the most important scientific and social event, bringing scientists and engineers from Europe and Korea together. We anticipate around 1000 participants for EKC2024.

PLENARY SPEAKERS



Indro Mukerjee
 Innovate UK CEO



Byungjoo Min
 President of the Korea
 Institute for
 Advancement of
 Technology (KIAT)



Signe Ratso
 European Commission
 Deputy Director-General,
 Directorate-General
 "Research & Innovation"



Tai Sik Lee
 President of the Korean
 Federation of Science
 and Technology
 Scientists (KOFST)



Myungshik Kim
 Professor in the Faculty
 of Natural Sciences,
 Department of Physics,
 Imperial College London



Sangmok Lee
 President of the Korea
 Institute of Industrial
 Technology (KITECH)

SCIENCE & TECHNOLOGY

- Built Environment and Engineering Design
- Basic Science
- Chemical Engineering and Material Science
- Environment and Energy
- Electrical, Electronics, & Information Engineering
- Life Science and Health
- Nuclear and Fusion Technology
- Mechanical and Aerospace Technology
- Marine and Ocean Engineering
- Women in STEMM

INDUSTRY FORUM

- AI
- Deeptech
- Autonomous Manufacturing

IMPORTANT DATES

- **Abstract Submission::** 1 March - 14 June 2024
- **Early Bird Registration::** 1 March - 14 June 2024
- **General Registration:** 15 June - 1 July 2024
- **Dates for EKC2024:** 30 July - 2 August 2024

CO-ORGANISERS



CONTACT

secretary@ekc2024.org

CONFERENCE VENUE

The Oculus, University of Warwick

The Oculus is a new teaching building in the University of Warwick. It's a light and airy space with two lecture theatres, one seating 250 and the other 500. In addition, there are also a number of seminar rooms. The layout of the smaller teaching rooms can be changed depending on the needs of staff and students.

The University of Warwick is a prestigious and well-regarded public research university located in Coventry, England. Established in 1965, it has rapidly become one of the leading universities in the United Kingdom and is known for its commitment to research, academic excellence, and innovation.



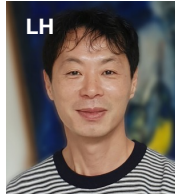
KEYNOTE SPEAKERS



BE
Luca Simeone
Aalborg University, Denmark



BS
Yeon joo Lee
Institute of Basic Science (BS), South Korea



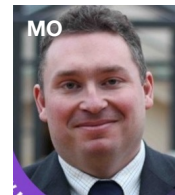
LH
Insung s. Choi
Korea Advanced Institute of Science & Technology (KAIST)



CM
Mauro Pasta
University of Oxford, UK



CM
Jonggeol Na
Ewha Womans University, South Korea



MO
Christian Finnsgård
Research Institutes of Sweden



EE
Colin Waters
University of Leicester, UK



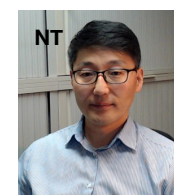
EI
Robert Jenssen
UIT The Arctic University of Norway



WS
Oh Nam Kwon
Seoul National University, South Korea



NT
Yeongkook Oh
Korea Institute of Fusion Energy (KFE)



NT
Jeong-ha You
Max Planck Institute For Plasma Physics



ST
Sook-kyoung Cho
Korea Institute of Energy Technology (KENTECH)

SCHEDULE & PROGRAMME

[C]: Closed Session													
29th July (Monday)	Afternoon	Site Visit											
30th July (Tuesday)	09:00 - 10:40	ST1	ST4	IF1	ST6	ST8	ST9	ST10				WS1	
	10:40 - 11:00	Break											
	11:00 - 12:40	ST2	BS1	IF2	ST7	EI1	LH1	ST11	MA1				WS2
	12:40 - 14:00	Lunch											
	14:00 - 16:00	Opening Ceremony & Plenary Session 1										Science School Registration	
31st July (Wednesday)	16:00 - 16:20	Break											
	16:20 - 18:00	ST3	ST5: K-TAG meeting [C]	IF3	Poster session								
	18:00 - 18:30	Break											
	18:30 - 21:00	Opening Banquet											
	09:00 - 10:40	BE1	BS2	CM1	EE1	EI2	LH2	NT1	MA2	MO1	ST12		
10:40 - 11:00	Break												
11:00 - 12:40	BE2	BS3	CM2	EE2	EI3	LH3	NT2	MA3	MO2	ST13			
12:40 - 14:00	Lunch												
14:00 - 16:00	KSEAUK 50th Anniversary & Plenary Session 2										Science School		
1st August (Thursday)	16:00 - 16:20	Break											
	16:20 - 18:00	BS4	CM3	EE3	EI4	LH4	NT3	MA4				ST14	
	18:00 - 18:30	Break											
	18:30 - 21:00	VIP Dinner [C]											
	09:00 - 10:40	BE3	BS5	CM4	EE4	EI5	LH5				MA5	MO3	
10:40 - 11:00	Break												
11:00 - 12:40	BE4	BS6	CM5	EE5	EI6	LH6				MA6	MO4	ST15	
12:40 - 14:00	Lunch												
14:00 - 15:40	BE5	BS7	CM6	EE6	EI7	LH7				MA7	MO5		
15:40 - 16:00	Break												
16:00 - 17:40	BE6	BS8	CM7	EE7	EI8	LH8				MA8	MO6		
17:40 - 18:30	Break												
18:30 - 21:00	Closing Banquet												
2nd August (Friday)	09:00 - 11:00	EKC2024 Review Meeting [C]											

BE	Built Environment and Engineering Design
BS	Basic Science
CM	Chemical Engineering and Material Science
EE	Environment and Energy
EI	Electrical, Electronics, & Information Engineering
LH	Life Science and Health
NT	Nuclear and Fusion Technology
MA	Mechanical and Aerospace Technology
MO	Marine and Ocean Engineering
WS	Women in STEM
ST	Spectral Topic
IF	Industry Forum

SPECIAL PROGRAMME

Special Sessions

Anyone who works in the fields of science and technology in Europe or in Korea can organise a scientific session composed of invited talks and contributing talks.

Industry Forum (30th July)

Any company or public establishment can organise an industrial forum on a specific of technology or science.

Job Fair (30th, 31st July and 1st August)

Any company or research institute who wants to recruit promising Korean scientists in Europe can install a booth or make a presentation at the conference.

Science School (31st July and 1st August)

Science School is organised to promote the scientific and technological knowledge and sharing spirit through science and technology for Korean youth in Europe.

VIP Dinner (31st July, invitation only)

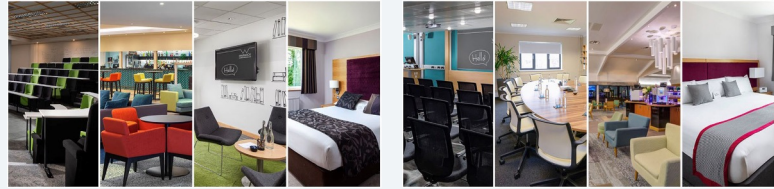
The Slate, University of Warwick.

INDUSTRY FORUM

Key Objectives

1. In search of Next Big Thing idea including Deeptech startup activity.
2. Interactive presentation and panel discussion for key market issues (technical, policy, certification, etc) with industry experts, government, investor, academia, and research institutes.
3. Creation of high impact global consortium for technical readiness, supply chain, and business model.

ACCOMMODATION



Scarman

Be immersed in a focussed learning environment with quality meeting spaces, a great food offer and hotel-style bedrooms.

Radcliffe

Discover a 'boutique' hotel experience that will redefine your expectations of a conference centre and meeting venue.



Student Accommodation

Cost effective, comfortable and convenient bedrooms.

SITE VISIT

Rolls Royce Derby Site (29th July)

PO Box 31, Moor Lane, Derby, DE24 8BJ



Rolls-Royce Holdings plc is a renowned British multinational engineering company that specializes in aerospace and defense technology, marine propulsion systems, and energy solutions. Established in 1906 by Charles Rolls and Henry Royce, the company has a prestigious history marked by innovation and excellence.

Rolls-Royce is globally recognized for its luxury automobiles, but its primary focus lies in providing cutting-edge technologies and services for aviation, marine, and power generation industries. With a legacy spanning over a century, Rolls-Royce continues to be at the forefront of engineering advancements, shaping the future of mobility, sustainability, and power generation worldwide.

SOCIAL PROGRAMME

Stratford-upon-Avon

The birthplace of William Shakespeare



Cotswolds

A rural area of south-central England



Oxford

University of Oxford



Bicester Village

A designer outlet shopping centre



SPONSOR

