

제51회 KSEAUK 학술대회 발표 목록 및 일정

장소: Clayton Hotel Ballsbridge
(Dublin, D04 P3C3, Ireland)

일시: 1-2 November 2025

후원:



한국생명공학연구원
Korea Research Institute of Bioscience and Biotechnology

beyond leading technology

KIAT

한국산업기술진흥원



주영국대사관
주국제해사기구대표부

프로그램

재영한인과학기술자협회가 2025년 11월 1-2일 창립 51회 정기 학술회를 Dublin Clayton Hotel에서 개최합니다.

시간 (11월 1일, 토요일)	일정	장소
12:00-13:20	등록 및 점심	Reception
13:20-14:30	개회사 및 초청강연 KEIT-김기철 소장 KERCC-이대명 센터장 KIAT-탁영지 소장	Thomas Prior Hall
14:30-14:50	패널 토론	Thomas Prior Hall
14:50-15:00	Outstanding Research Award 시상식	Thomas Prior Hall
15:00-15:30	휴식 (coffee break)	Thomas Prior Hall
15:30-18:45	학술 세션	아래 표 참조
18:45-19:00	휴식	Thomas Prior Hall
19:00-22:00	저녁 만찬	Thomas Prior Hall
시간 (11월 2일, 일요일)	일정	
09:00-10:30	재영과협 발전을 위한 회원간의 대화	1880 Suite

학술세션 장소 및 시간 안내

Time	Ailesbury	1880 Suite	Merrion 4	Merrion 2 or 3
15:30-17:00	Biological Science 1	ACE	Marine & Ocean	Design & Construction
17:00-17:15	Break			
17:15-18:45	Biological Science 2	Data Science	Basic Science	Materials, Mechanical Engineering & Energy (융합)

제 51회 재영과협 학술대회 학술세션

BS

Moderator:
Saejune Park

(Outstanding Research Awards Awardee) Flow instabilities and laminar-turbulent transition in rotating fluids

Junho Park
Coventry University

(Outstanding Research Awards Awardee) TBC

Dong Han Shin
University of Oxford

Disks around young free-floating planetary-mass objects: Ultradeep Spitzer imaging of IC348

Holly Hanbee Seo
University of St Andrews

Materials, Mechanical Engineering, Energy 융합세션

Moderator:
Kyungil Kong

Enhancing Recycling of Valuable Materials from Spent Lithium-ion Batteries Using Electrostatic and Magnetic Separations (17:15 - 17:35)

Hyeyeon Lee
Heriot-Watt University

Decipher integrin-mediated mechanotransduction of tissue-engineered extracellular matrix scaffolds (17:35 - 17:55)

Seungkuk Ahn
UCD

Interphase effect on FRP composites (17:55 - 18:15)

Kyungil Kong
University of Bristol

Smart digital manufacturing technologies: Case studies with energy and medical devices (18:15 - 18:35)

Jaemin Lee
University of Leeds

Breaking the Ice: Connecting Materials, Mechanics, and Energy (18:35 - 18:45)

Kyungil Kong
University of Bristol

Bio 1

Moderator:
Seung Seo Lee

Ice breaker: Flash talks

Resolving Health Inequality through Digital Innovation: Insights from the United Kingdom and the Republic of Korea, You Tae Jeon (NHS)

Advancing Digital Learning Resources in Anatomy Education: Current Landscape and Future Directions, Daheen Lee (Primal Pictures)

+ Everyone else

Keynote: *Exploiting Ferroptosis and Iron Metabolism to Overcome Cancer Metastasis and Therapy Resistance*

Ejung Moon
University of Oxford

Outstanding Research Awards: Extracellular matrix hydrogels from demineralised and decellularised human bone tissue for bone regeneration applications

Yanghee Kim
University of Southampton

Outstanding Research Awards: *Improving Treatment for Tuberculosis: Evidence-Based Strategies from Empirical Use to Novel Formulations*

Chaelin Kim
London School of Hygiene & Tropical Medicine

Bio 2

Moderator:
Youngchan Kim

Characterising MRPL44(L156R) Transgenic Mouse Model: Insights into Mitochondrial Disorder Pathogenesis and Sex-Dependent Responses

Hamin Lee
City St. George's, University of London

Engineering T Cells: From Immune Synapse to Safe and Scalable Therapies

Jae-Eun Lee
Yellowstone Biosciences

Orchestrating Metabolism: A LysR-type Regulator TtdR's Role in Ethylene Glycol Utilization and PHB accumulation in *P. umsongensis* GO16

Jounghyun Um
University College Dublin

A mechanistic framework for predicting tablet disintegration

Jongmin Lee
University of Cambridge

Seung Seo Lee

Discussion of KSEAUK BIO's future projects and collaboration with KULSA

Seung Seo Lee
University of Southampton

Marine & Ocean

Moderator: Sung Il Ahn	(Outstanding Research Awards Awardee) Hydrogen Dispersion and Safety Assessment of Vent Mast Releases on LH2 carrier in LH2CRAFT Project	Hayoung Jang University of Strathclyde
	(Outstanding Research Awards Awardee) Collision-accidental safety design of a 25,800 TEU containership propelled by small modular reactors	Hyeong Jin Kim University College London
	Imaging and Spectroscopic Analysis of Non-Premixed Hydrogen Combustion with Simulated Flue Gas Recirculation	Seongho Jin University of Lincoln
	Human reliability assessment framework based on SPAR-H method into Emergency response drill on ship	Sung Il Ahn ABS

Design & Construction

Moderator: Wonil Son	Effective Design Delivery Strategies for Large-Scale BIM Architectural Projects through Value Engineering: A Case Study of Al Thumama World Cup Stadium	Donghwi Kim MARCH
	Various Brick Facade Building with the Prefab	Wonil Son MARCH ARB RIBA

ACE

Moderator: Hansung Kim	(Outstanding Research Awards Awardee) Towards Automated Large-Scale Facilities at Rutherford Appleton Laboratory	Jaehoon Cha STFC
	AI-Based Workflow Orchestration in Modern Automation Environments: A Framework Using n8n and Prompt Engineering	Young Saeng Park University of Warwick
	Introduction of Global Collaborative Research for Advanced Zero-shot Surveillance Systems	Hyungcheol Noh

	Innodep, Queen Mary University of London
Towards Generalisable Perception through Vision and Language	Changjae Oh Queen Mary University of London
Real-Time 3D Human Pose Estimation from a 2D Image	Hansung KIM University of Southampton
Germanium-SWIR Sensors and Infrared-AITM for Real-Time Material Identification	Jaehyung Lee Stratio Inc

Data Science

Moderator:
Youngseok
Choi

Increasing Consumer Appreciation Towards Artificial Intelligence.	Ilyung Cheong Trinity College Dublin
Not Everyone Feels the Same: Engagement Profiles and User Reactions to Reddit's Great Ban	Habin Lee Brunel University of London
Scheduling multiple flexible maintenance activities	Eun-Seok Kim Queen Mary University of London
The Interaction Effect of Micro- and Meso-level Crowdings on Visitor Behaviour: A Trade Show Case	Changwon Park Brunel University London