

## CKU & KNU Forum

Empowering Regional Innovation through AI, Sustainability, and Industry-Academia Collaboration

Friday, Aug 7 10:15 am - 12:00pm Congressional A



### Chair



**Kyu Han Kim**

Director, ANCHOR Initiative  
Catholic Kwandong University (CKU)

### Co-Chair



**Dae Hee Lee**

Director, ANCHOR Initiative  
Kangwon National University (KNU)



**Joo Hyong Noh**

Professor,  
Kanto Gakuin University (KGU)



**Bum Shick Shin**

Professor  
Catholic Kwandong University (CKU)

### Presenters



**Jae Hyun Jo**

Assistant Professor  
Catholic Kwandong University (CKU)



**Kyu Tae Shim**

Senior Researcher  
Waterfront and Coastal Research Center(CKU)



**EunSu Lee**

Professor  
New Jersey City University (NJCU)

The ANCHOR Initiative is one of Korea's flagship regional innovation programs jointly promoted by the Ministry of Education and local governments to foster regional talent, strengthen university-industry collaboration, and drive sustainable regional development.

This forum represents the first collaborative achievement between Catholic Kwandong University (CKU) and Kangwon National University (KNU) under the ANCHOR Initiative. It provides a platform to share outstanding research outcomes and discuss future collaborative projects that will further advance regional innovation.

Centered on strategic research themes including Biohealth, Food Technology, Climate Change, Marine Energy, Future Energy, and Future Mobility, the forum highlights how universities can contribute to solving regional challenges while cultivating globally competitive talent.

Furthermore, CKU and KNU envision building an AI-powered advanced education ecosystem that integrates research, innovation, entrepreneurship, and digital learning to establish Gangwon as a leading hub for sustainable regional growth and global collaboration.

The forum will conclude with an open discussion on expanding international partnerships and developing next-generation collaborative projects through the ANCHOR Initiative.

| Time          | Title and Speaker                                                                                                                                                                                                                                                |
|---------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10:15 - 10:20 | <b>Opening Remarks</b><br>Kyuhan Kim (Catholic Kwandong University) & Daehee Lee (Kangwon National University)                                                                                                                                                   |
| 10:20 - 10:30 | <b>A Vision for Achieving RE100 through Coastal Data Center Development and Marine Energy Utilization</b><br>Kyu Han Kim (Executive Director, ANCHOR Project, Catholic Kwandong University)                                                                      |
| 10:30 - 10:40 | <b>The Role of the ANCHOR Project in Supporting Sustainable Partnerships Between Regional Universities and Their Communities</b><br>Dae-Hee Lee (Executive Director, ANCHOR Project, Kangwon National University)                                                |
| 10:40 - 10:50 | <b>Development of an Ultrafine Soybean Powder Processing Method for Functional Nutritional Foods</b><br>Kyutae Shim (Senior Researcher, Waterfront and Coastal Research Center)                                                                                  |
| 10:50 - 11:00 | <b>Gangneung City's Carbon Neutrality Plan and Vision for Climate Change Response</b><br>Bum-Shick Shin (Professor, Department of Smart Port Engineering, Trinity College, Catholic Kwandong University)                                                         |
| 11:00 - 11:10 | <b>Applicability of Both-Sided Flash Lamp Annealing (FLA) Method on Heat Treatment Cu Plating Thin Film and Low Dielectric Resin Films</b><br>Joo Hyong Noh (Professor, Kanto Gakuin University, Surface and Material Research Institute)                        |
| 11:10 - 11:20 | <b>AI Reading Behavior and Responses Simultaneously: A Study on an MMSE-Based Multimodal Mental Health Prediction Model</b><br>Jae Hyun Jo (Assistant Professor, Department of Digital Health Engineering, Trinity College, Catholic Kwandong University)        |
| 11:20 - 11:30 | <b>A Vision for Port and Logistics Infrastructure on Korea's East Coast for the Arctic Shipping Route</b><br>EunSu Lee (Professor and Director of Supply Chain, Maritime Logistics, Analytics, Operations, and Service Management at New Jersey City University) |
| 11:30 - 11:45 | <b>Future Collaboration Discussion and Q&amp;A</b>                                                                                                                                                                                                               |
| 11:55 - 12:00 | <b>Closing Remarks / Group Photo</b>                                                                                                                                                                                                                             |