


# iMiD 2023

August 22-25, 2023 / BEXCO, BUSAN, KOREA

## iMiD 2023

The 23rd International Meeting on Information Display  
August 22-25, 2023 | BEXCO, BUSAN, KOREA

Company Name	KRISS Emerging Research Instruments Center, KRISS ERIC	Company Logo
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Exhibitor Introduction	<p>◦ <b>Development Project for Emerging Research Instruments Technology</b></p> <p><b>(Project Goals)</b> Through the development of core technologies for cutting-edge research instruments, overcoming the limitations of follow-up research instruments development and establishing an infrastructure for self-reliance of emerging research instruments.</p> <p><b>(Project Overview)</b> Period : ' 22 ~ ' 25 , Budget : Total : \$ 31,916,000</p> <p><b>(Project Objectives)</b> 26 core technologies of 8 types for emerging research instruments developed for the first time in the world or with the highest performance</p>	

## Exhibit Description

### ◦ Project Structure

#### <Advanced Physical and Chemical Research Instruments>

1. Development of core-technologies of 10 meV resolution reflection electron energy loss spectroscopy for bulk-type specimens
2. Development of analytical instrumentation for electromagnetics/optics/thermal characteristics under extreme environment
3. Development of core technology for multi-channel extreme scanning probe fusion microscope

#### <Global Strategic Materials Research Instruments>

1. Development of key optical technologies of inspection and measurement for analysis of 3D complex nano structure
2. Development of core technologies in photon/ chargedparticle triple beam for 3D microstructure fabrication and characterization
3. Core technology development of scanning electrochemical microscopy for electrochemical-based low dimensional nanomaterial analyses

#### <Emerging Biological Research Instruments>

1. Development of core technology for organoid- based HIS/HCS integrated system
2. Development of core technology for EEG and biomaterial analysis for measuring overcoming limitations