2026년도 KICS 동계종합학술발표회 특별프로그램

Industry Innovation: Global 특별세션

일시 2026년 2월 4일(수)
장소 모나 용평 타워콘도 1층 크리스탈, 사파이어

프로그램

번호	발표주제	발표자(소속)
2월 4일(수) 크리스탈		
13:30~13:55	A view on mobile product ecosystems	Kyungho Kim (Google)
13:55~14:20	Digital post-correction for 6G uplink enhancement	Minkeun Chung (Ericsson)
2월 4일(수) 사파이어		
16:00~16:40	AI for R&D & Engineering: From Productivity Gains to AI-Led Innovation	Arnaud DUDOUET (ALTEN)

강연 소개
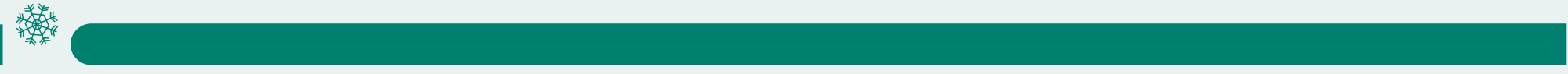
A view on mobile product ecosystems

Kyungho Kim

SW Engineering Manager

Google

- 2023 ~ present : SW Engineering Manager, Google, USA
- 2019 ~ 2023 : Head of Wireless Tech/Ecosystems, Meta, USA
- 2010 ~ 2012 : Wireless System Research Fellow, Stanford University, USA
- 2003 ~ 2006 : Wireless System/Standard Engineer, Intel, USA
- 1998 : Ph. D in EE, Yonsei Univsersity

The mobile and telecommunication industries have been working on products incorporating 5G so far, and now, they are moving forward towards 6G. By quickly reviewing the trend so far on cellular communication from a mobile ecosystem perspective, we will try to understand where we are standing with mobile products and their supporting ecosystems. We then discuss further about the new technologies that may move these products forward and further towards 6G.

Digital post-correction for 6G uplink enhancement

Minkeun Chung

Sr. System Engineer

Ericsson

- 2021 – present, Sr. System Engineer, Ericsson, Stockholm, Sweden
- 2017 – 2021, Postdoctoral Researcher, Lund University, Sweden
- 2016, Ph.D., Electrical and Electronic Engineering, Yonsei University

As wireless networks move toward 6G, managing signal distortions becomes increasingly important for reliability and performance. This talk introduces a digital post-correction (DPC) technique that mitigates transmitter-induced nonlinearities at the receiver side. Unlike conventional pre-distortion methods, DPC operates post-reception to compensate for distortions from user devices. This approach improves signal quality, enables higher-order modulations, and enhances uplink performance in future 6G systems. The talk will outline the key ideas behind this concept and its potential for next-generation wireless systems.

AI for R&D & Engineering: From Productivity Gains to AI-Led Innovation

Arnaud DUDOUET

VP AI for Strategy and Projects Performance (AI 전략 및 프로젝트 성과 부문 부사장)

ALTEN

- 2025 ~ present : ALTEN, VP AI for Strategy and Projects Performance
- 2021 ~ 2025 : STELLANTIS, AI Program Director
- 2019 ~ 2021 : STELLANTIS, AI Project Manager / Scientist
- 2004 ~ 2019 : STELLANTIS, Global Manager in Automotive Electronics and Manufacturing Engineering Processes

ALTEN is a global engineering and technology consulting leader supporting clients across the full R&D lifecycle, from design to industrialization. The presentation explores how Artificial Intelligence is transforming engineering activities, accelerating quality, speed, and innovation.
It introduces ALTEN's AI offering, structured around three deployment levels: AI-assisted solutions boosting individual productivity, AI-augmented systems enhancing engineering excellence, and AI-led approaches enabling new, native AI business models.
Through concrete project examples and success stories, the session illustrates real impacts across key industries, including Aerospace, Automotive, Telecom, Finance, and Healthcare.
Particular focus is given to manufacturing-related use cases such as testing, validation, and qualification, especially relevant to the Korean industrial ecosystem.