



# MiFuture News

Industry news, papers and events related to 6G C MIMO

**February 2026**

Grant Agreement Number: 101119643

Project Acronym: MiFuture

Project Title: ultra-massive MIMO for future cell-free heterogeneous networks

Call: HORIZON-MSCA-2022-DN-01

Type of action: HORIZON TMA MSCA Doctoral Networks- Industrial Doctorates

Granting authority: European Research Executive Agency

Project start date: 01/01/2024

## **MiFuture News: Monthly Updates on 6G and MIMO Technologies**

MiFuture News is a monthly publication of the MiFuture project, complementing the MiFuture Newsletter, which will be published every six months. While the Newsletter includes internal project updates, MiFuture News features articles and information from external sources freely available on the internet.

This publication aims to gather the most interesting industry news, relevant technical papers, and upcoming events related to 6G and MIMO technologies to share with supervisors and PhD students within the project.

If you come across any interesting news, please share it with us for inclusion in the next issue.



# Industry news

## [From 5G to 6G: how AI is shaping Vietnam's path to digital leadership Networks](#)

Feb. 13 - Vietnam stands at a critical phase in its digital development. As AI reshapes productivity and power, the convergence of 5G and AI is no longer a technical upgrade but a strategic choice.

## [BRIN Develops Microstrip Antenna for 6G Technology in Mobile Phones](#)

Feb. 13 - The National Research and Innovation Agency (BRIN) is developing single-layer and multilayer microstrip antennas. This small antenna is developed for the needs of 6G technology. BRIN Junior Researcher, Yohanes Galih Adhiyoga, explained that this antenna must be made as small as possible. That way, the antenna can be easily integrated into future mobile device

## [Altair and LTTS launch 5G-6G Wireless Center of Excellence to accelerate telecom innovation](#)

Feb. 13 - Altair and L&T Technology Services (LTTS) have launched a 5G-6G Wireless Center of Excellence (CoE) designed to accelerate next-generation telecommunications innovation across industries. The CoE combines Altair's advanced design and simulation technologies with LTTS's deep domain expertise to unlock the full potential of 5G and emerging 6G networks.

## [SynaXG and Tech Mahindra partner to advance AI-native, 6G-ready network solutions](#)

Feb. 11 - SynaXG, a global innovator in AI-driven radio access network platforms, and Tech Mahindra (NSE: TECHM), a leading global provider of technology consulting and digital solutions to enterprises across industries, announced the signing of a Memorandum of Understanding (MoU) to jointly accelerate the development and deployment of AI-native, software-defined, and energy-efficient wireless network solutions.

## **Opinion: The size of the 6G wave**

Feb. 10 - Mobile Experts published its flagship forecast last week, with a thoroughly researched estimate of the scope for 6G deployment in the 2030-2033 cycle. In short, we expect the number of base stations to be about half of the numbers in the 4G and 5G cycles. Allow me to explain why.

## **Huawei continues to rock 6G Global Patent technology field**

Jan. 21 - Huawei continues to dominate the 6G global patent technology field, and in the latest scenario, the company owns around 15% of the global share, ranking first in both China and the worldwide 6G patent department.

## **Partnership to Deliver AI-Native, 6G-Ready Solutions**

Feb. 10 - The collaboration will leverage SynaXG's advanced RAN software stack, AI-RAN intelligence platform, and hyper-converged wireless architectures and Tech Mahindra's digital business transformation expertise, multi-vendor network capabilities, and carrier-grade deployment experience. This means that SynaXG's AI-RAN software platforms will be integrated with Tech Mahindra's services portfolio to support private networks and industry-specific use cases across manufacturing, logistics, smart cities, and critical infrastructure.

## **SKT 6G Tech Team Prepares for Next-Gen Telecom Shaped by AI**

Feb. 11 - Mobile communications have evolved on roughly 10-year cycles and are now moving beyond 5G toward the era of 6G. Built on AI embedded across all areas of mobile communications, 6G technology heralds not a simple generational shift but a transformation into intelligent networks. What will a network that combines 6G and AI look like? We spoke with Lee Kyung-pil, Jung Sang-min, and Oh Tae-seok of the 6G Tech Team about the future direction of mobile communications shaped by 6G and AI, as SKT has won the Minister of Science and ICT Award at the Radio Wave Broadcasting Technology Awards for four consecutive years.

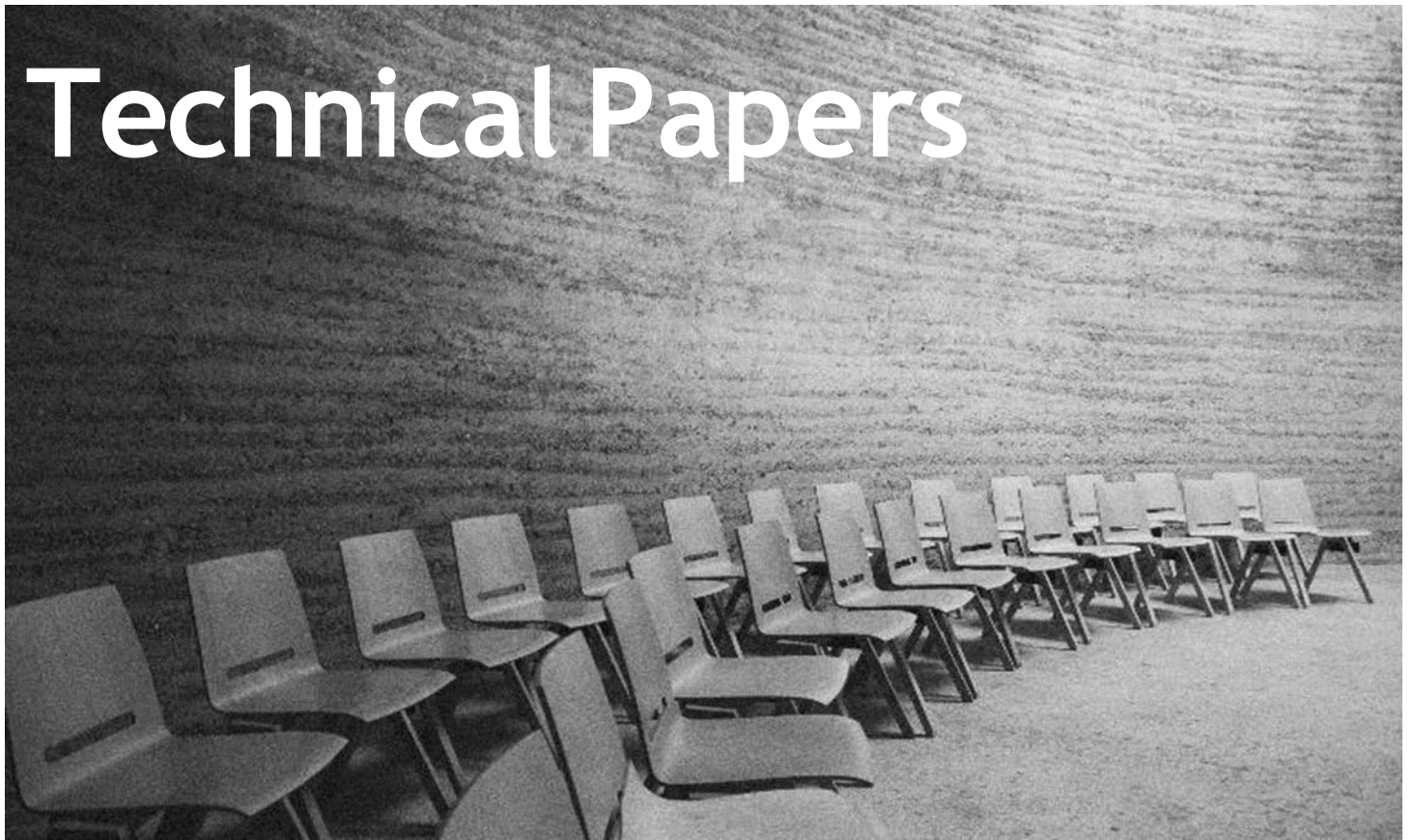
## **China completes first phase of 6G technology trial**

Jan. 22 - China's first-phase 6G technology trials have yielded a reserve of more than 300 key technologies, and the second phase has recently been launched, said Xie Cun, spokesperson of the Ministry of Industry and Information Technology, on Wednesday.

## **Quantum-inspired wireless technology could tackle 6G's biggest challenges**

Feb. 02 - Researchers at Monash University and the University of Melbourne have developed a quantum-inspired approach to optical wireless communication that promises to make 6G networks faster, more reliable and energy-efficient. As the world moves toward 6G, devices and networks will need to handle more data, faster, and in smaller spaces than ever before.

# Technical Papers



## [SNS JU Top-10 Key Achievements Brochure \(January 2026\)](#)

6G SNS

This brochure summarises the SNS JU project 188 Key Achievements identified from 63 funded projects, showcasing advancements in 5G and 6G research. An online repository categorises these achievements into five areas: Significant Technology Developments, Experimentation, Vertical Solutions & Trials, Impactful Standards Contributions, and Sustainability Solutions.

The Top-10 Key Achievements highlight the most impactful innovations from SNS JU projects, evaluated by an expert committee. Selection criteria include technological advancement, maturity level, and market prospects, emphasising the contributions to next-generation networks.

The SNS JU plans to expand the Key Achievements Repository, continuing to document and celebrate advancements in 5G and 6G technologies. Future selections will refine the process for identifying impactful contributions, reinforcing Europe's leadership in next-generation connectivity.

## [The AI/ML landscape for Smart Networks and Services \(January 2026\)](#)

*SNS JU Technical Board*

The SNS JU Reliable Software Networks Working Group has created a new white paper exploring the role of Artificial Intelligence (AI) and Machine Learning (ML) in advancing smart networks and services, particularly in the context of the sixth-generation wireless network (6G).

This paper serves as a primer that clarifies key AI/ML terminology, summarises major current standardisation efforts, and explores open implementations and innovation pathways. It provides a foundational resource for researchers, industry stakeholders, and policymakers, with the primary goal of aligning efforts and accelerating the development of AI-native networks and systems, particularly within the framework of SNS-JU research projects.

The paper underscores the importance of AI/ML in driving innovation, enhancing network performance, and

addressing challenges such as security, trust, and sustainability in next-generation networks.

## [Unveiling the Future: Exploring the Landscape of 6G Technology](#)

*Lumenci*

6G aims to transform mobile communications with terabit-per-second data rates, ultra-low latency, and more sustainable networks, enabling stronger connectivity, security, and efficiency across sectors. Like earlier generations (2G-5G), 6G will evolve through iterative improvements driven by user needs, traffic growth, and security requirements. Although there is significant hype, 6G research remains in an early stage, with commercial deployment expected around 2030. Its goals and technical solutions will be shaped through consensus-building in conferences, collaborations, and standards bodies. Standardization is expected to begin around 2025, with global specifications targeted by roughly 2028 to ensure interoperability, affordability, and worldwide roaming.

## [6G Architecture Direction - The 2030 perspective](#)

*Ericsson*

The goal of 6G is to improve performance by meeting high demands on traditional performance indicators such as capacity, coverage, bitrates, and short latency, as well as new performance indicators related to service availability and assurance, predictability, network resilience and trustworthiness all while improving energy performance and sustainability. All above while ensuring a cost-effective deployment and smooth introduction into existing networks must be ensured.

To support the 6G visions and requirements, it is beneficial to standardize a 6G architecture that allows for a smooth introduction of 6G capabilities into the future public and private networks. We foresee that the 6G architecture will build on the ongoing trend of network horizontalization enabling the 6G RAN and Core Network(CN) functions to benefit from the fast evolution of cloudification, IT frameworks,

## [6G Security - drivers and needs](#)

*Ericsson*

Mobile networks are becoming an integral part of society, leading to stronger requirements and increased demands for security and availability. As the cyber and physical worlds merge, and the use of mobile networks evolves beyond communication, 6G security will need to take a more holistic view, considering both communication and computation to a greater extent than earlier generations. Building on security from 5G, 6G network security will also be based on open standards, with an increased focus on operational aspects. In addition, new use cases and technologies, such as immersive communication and zero-energy devices, will necessitate renewed threat analyses and new security solutions. This white paper outlines drivers and needs to define security for a global 6G network platform.



# Events

**ICASSP 2026**  
Barcelona

**2026 IEEE International Conference on Acoustics, Speech, and Signal Processing**  
4-8 May 2026, Barcelona, Spain

IEEE Signal Processing Society | IEEE

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**IEEE ComSoc**  
IEEE Communications Society

## First Workshop on Agentic AI and Wireless Physical Layer Foundation Models:

Towards Intelligent and Reasoning-Driven 6G Networks

18 May 2026 // Tokyo, Japan

Endorsed by 



IEEE International Conference on Communications  
24-28 May 2026 // Glasgow, Scotland, UK  
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## Welcome to 2026 EuCNC & 6G Summit

2-5 June | Málaga, Spain

*6G, Connecting Intelligence*



## International Conference on Localization and GNSS

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# IEEE International Symposium on Personal, Indoor and Mobile Radio Communications 2026