- **Professor Younes Mouchaal**, Rector of the University Mustapha Stambouli of Mascara, as **Honorary President** of the study day
- **Professor MEDDAH Hadj Miloud**, Dean of the Faculty of Sciences and Technology, as **Vice-Honorary President**;

- **Dr. Dinar Amina Elbatoul**, Associate Professor at the University of Mascara, as **Responsible of the study day**.

CONTACT

E-mail: amina.dinar @univ-mascara.dz
Mobile: 0699158455
Department: Electrotechnic

Innovation mindset

Flexible solutions

Clear communication

Technology grows

PEOPLE'S DEMOCRATIC REPUBLIC OF ALGERIA
MINISTRY OF HIGHER EDUCATION AND SCIENTIFIC RESEARCH
UNIVERSITY MUSTAPHA STAMBOULI OF MASCARA
FACULTY OF SCIENCES AND TECHNOLOGY
DEPARTMENT OF ELECTROTECHNIC

NEXT-GENERATION TELECOMMUNICATIONS: 5G, 6G, AND ARTIFICIAL INTELLIGENCE

Preamble

On behalf of the University of Science and Technology of Mascara, we Organize study day dedicated to a topic at the very heart of current technological transformations.

We are witnessing the dawn of a profound mutation. Having connected machines, we are now connecting intelligences. Infrastructure is becoming thoughtful, and the network is becoming a brain.

It is precisely at the crossroads of these two revolutions—telecommunications and artificial intelligence—that we explore this ambitious theme:

"Next-Generation Telecommunications:
5G, 6G,
and Artificial Intelligence
"

Our reflection will be structured around three fundamental pillars that will guide our discussions throughout this day.

First, we will examine the evolution of 5G. As this technology fully deploys its potential, how can AI today optimize its performance, ensure its security, and enrich its uses? 5G is not an endpoint but a springboard.

Second, we will look toward the 6G horizon. The early signs of this future generation promise networks designed from the ground up as "native to AI." Networks that will no longer merely passively transmit data but will anticipate, decide, and adapt by themselves. Networks becoming true intelligent, autonomous, and predictive entities.

Third, and this is the heart of our meeting, we will explore the deep synergy between these technologies. How do 5G and 6G, far from being simple vectors, become the catalysts for a diffuse and ubiquitous artificial intelligence? And conversely, how does AI become the hidden engine, the "brain" that brings these networks to life and enables their evolution?

ORGANISATION COMMITTEE

- LOUNI Abderrahmane   Président
- GHOUALI Samir   Member
- BESSEGHIER Mokhtar   Member
- MIRAOUI Abdelfettah   Member
- BOURAGAA Mouweffeq   Member
- GOUIZI Khadidja   Member

5G Evolution

6G Horizon network

AI 5G 6G SYNERGY