

A SECURE AND INTELLIGENT ARCHITECTURE FOR BEYOND THE FIFTH GENERATION (B5G) **WIRELESS NETWORKS**

OUR VISION

NANCY aims to introduce a secure and intelligent architecture for beyond the fifth generation (B5G) wireless networks. By leveraging Artificial Intelligence and Blockchain, NANCY aims to enable secure and intelligent resource management, flexible networking, and orchestration. In this direction, novel mechanisms and techniques will be integrated, including:

- device-to-device connectivity
- mesh networking
- relay-based communications
- medium access protocols
- mobility management schemes
- resource allocation methods

OUR OBJECTIVES



To design a novel Radio Access Network that supports dynamic scalability, high-security privacy.



To transform networks beyond 5G to intelligent platforms integrating ultra-reliable connectivity high-energy efficiency.



To provide "almost-zero latency" and high-computational capabilities at the edge.

PARTNERS





































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NANCY project has received funding from the Smart Networks and Services Joint Undertaking (SNS JU) under the European Union's Horizon Europe research and innovation programme under Grant Agreement No 101096456. Views and opinions expressed are however those of the author(s) only and do not necessarily reflect

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