

3GPP MEETINGS

Dr. Louvros from Jio Reliance contributed at the latest 3GPP RAN#112 plenary, advancing the evolution from network-centric to beam-centric radio operation. The work improves UE Channel State Information (CSI) reporting for massive MIMO and beamforming, enabling better beam selection, mobility, and spectral efficiency in 5G-Advanced, while laying the foundation for 6G.



IEEE CHAIR

Professor Fabrizio Granelli, Chair of the Aerial Communications ETI, announced IEEE ComSoc is finalizing the transition to a Technical Committees. Aerial Communications will be a Technical Working Group in the new structure, starting from 2026. Aerial Communications TWG is the currently working on spectrum agile UAV communications.

UPCOMING DELIVERABLE

Deliverable D1 is underway; a survey of onboard aircraft connectivity. The findings will help shape the direction of the AeroNet project. More to come soon!

GREEN CHARTER EVENT



Insightful webinar hosted by LSBU including presentations from several MSCA-Projects to share green practices.

ENGAGEMENT

Interview of Professor Dionysus Xenakis in Greek television, highlighting the impact of non legitimate autonomous vehicles on future transportation systems.



ICC CONFERENCE

Great to attend the IEEE International Conference on Communications in Glasgow as part of the AeroNet project! It was an excellent opportunity to connect with researchers, industry experts, and project partners, share insights, and discuss the latest developments in the field.



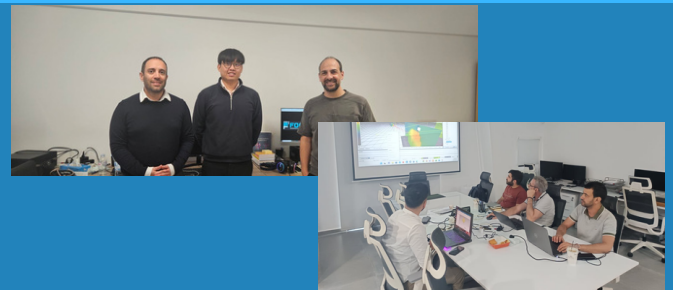
WEBINAR – INTEGRATED TN/NTN FOR IN-FLIGHT CONNECTIVITY



The AeroNet public webinar took place on 15 July and featured engaging presentations by speakers from leading companies and universities. Topics included Direct-to-X in 6G Non-Terrestrial Networks (NTN), an overview of 3GPP Release 20 and 6G, and unifying aircraft connectivity with 6G.

AERONET SECONDMENTS

- Wai Phone undertook a secondment with University of Athens focusing on OpenCAPIF and 5G testbed set-up.
- Brahim el Boudani is currently undertaking a secondment with Sigint Solutions on Cyprus focusing on UAVs for surveillance and public safety.



RESEARCH OUTPUT

- Qiu, C., Zhu, Y., Tan, B., Karagiannidis, G.K. and Dagiuklas, T., 2026, May. Modeling UAV-aided Roadside Cell-Free Networks with Matérn Hard-Core Point Processes. In ICC 2026-IEEE International Conference on Communications (pp.1-6). IEEE.
- Qiu, C., Kanaris, L., Zhu, Y. and Dagiuklas, T., 2026. Online UAV Trajectory Planning Under QoS Constraints to Mobile Users in Urban Environments. arXiv preprint arXiv:2605.08536.
- Xenakis, D., 2026. Location-Informed Edge Server Selection in Integrated Access Backhaul-Enabled 6G Networks. In: ICC 2026 – IEEE International Conference on Communications (pp. 1-6). IEEE.

- IEEE ICC Demo: IBN orchestration using Agentic AI – Phone et al.

