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Bio:

Nanxi Li received his Ph.D. degree in information and telecommunication engineering from Beijing University of Posts and Telecommunications in 2018. He has been with China Telecom Research Institute since then, working on 5G standardization in 3GPP RAN1 and 6G promising techniques. He has invented or co-invented about 90 filed/granted Chinese patents, 20 papers and co-authored 1 book. He is now a senior engineer, and his main research areas include 5G physical layer technologies, 3GPP RAN1 standardization and reconfigurable intelligent surfaces. And he is currently the rapporteur for the 3GPP Rel-18 further NR coverage enhancements work item.

Speech Title: Considerations on Potential Air-Interface Impact and Deployment Strategies of Reconfigurable Intelligent Surface

Speech Abstract: As one of the potential 6G key technologies, reconfigurable intelligent surface (RIS) has greatly attracted the attention of the industry and academic in recent years. In order to promote the implementation of RIS technology, the research on RIS related standardization work is essential. This speech provides a comprehensive analysis on the potential air-interface impact considering practical deployment of RIS from the standardization evolution perspective. Furthermore, the potential deployment strategies for RIS from different aspects are analyzed, taking into account the standardization progress, size of RIS and height of RIS deployment. In the end, considerations on engineering issues for RIS are provided from operator's point of views.