Speech Title: Feeder Communications

Abstract: In order to fulfill the requirements of 6G smart railway applications, significant technological innovations are expected: ü Cell-free network architecture: guarantee a seamless and high-QoS ubiquitous coverage for space air ground underwater networks. ü Novel URLLC techniques: achieve the tradeoff between ultra-reliability and ultra-low latency in feeder communication. ü Digital twin networks: fundamentally evolve the digital profile of the historical and current behavior of the train driver in feeder communication that helps optimize their performance. ü AI techniques: self-learning, optimization and evolution of space air ground and underwater communication networks.