## Geometric Problems and Structures Arising from the Study of Wireless Networks

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The study of wireless networks has motivated the formulation of interesting geometric optimization problems such as the power assignment problem, as well as the definition of new geometric data structures such as the bounded-angle spanning tree (related to networks with angular constraints) and the SINR diagram (induced by the Signal to Interference plus Noise Ratio equation). This talk will discuss some of these problems and structures, mentioning a few open problems along the way.

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