

CG Week 2014
Workshop on
**Geometric Optimization in Wireless Communication
and Sensing**

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In recent years, wireless communication and sensing has become a major topic of research, with dedicated conferences and journals. Computational geometry has played (and is still playing) a significant role in the development of algorithms for and in the analysis of wireless communication and sensor networks. This workshop will explore geometric optimization techniques applied to these allied fields in hopes of fostering further collaborations and new research directions. Topics may include coverage and connectivity problems, robustness, security of wireless networks, signal-to-interference-plus-noise ratio (SINR) diagrams, opportunistic use of mobile agents to enhance capabilities and networks, energy considerations, the impact of directional antennas, and data gathering. The workshop will include talks on recent results, together with one or two survey style talks/tutorials.