Title: Symplectic capacities and Cayley graphs.

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Abstract: Given a symplectic manifold, its Gromov width is roughly speaking the biggest radius of a ball that can be symplectically embbeded into the manifold. The Gromov width as a symplectic invariant is extended through the notion of "Symplectic Capacity". In this talk I will explain how to estimate bounds for symplectic capacities of homogeneous spaces of compact Lie groups in terms of the combinatorics of Cayley graphs associated to them.