Geometry, Groups and Dynamics/GEAR Seminar
(held at the Illinois hub of GEAR)

12:00 pm, Tuesday, September 5, 2017, 243 Altgeld Hall
Moon Duchin (Tufts University)
Curvature of graphs
Abstract: I'll discuss some ideas for measuring curvature of graphs that carry over to the setting of large finite graphs, including discrete Ricci curvature and cotangent-weighting. There's an interesting interplay of ideas from pure math (geometric group theory) and theoretical computer science (mesh clustering and smoothing), with potential practical applications to the study of electoral redistricting.