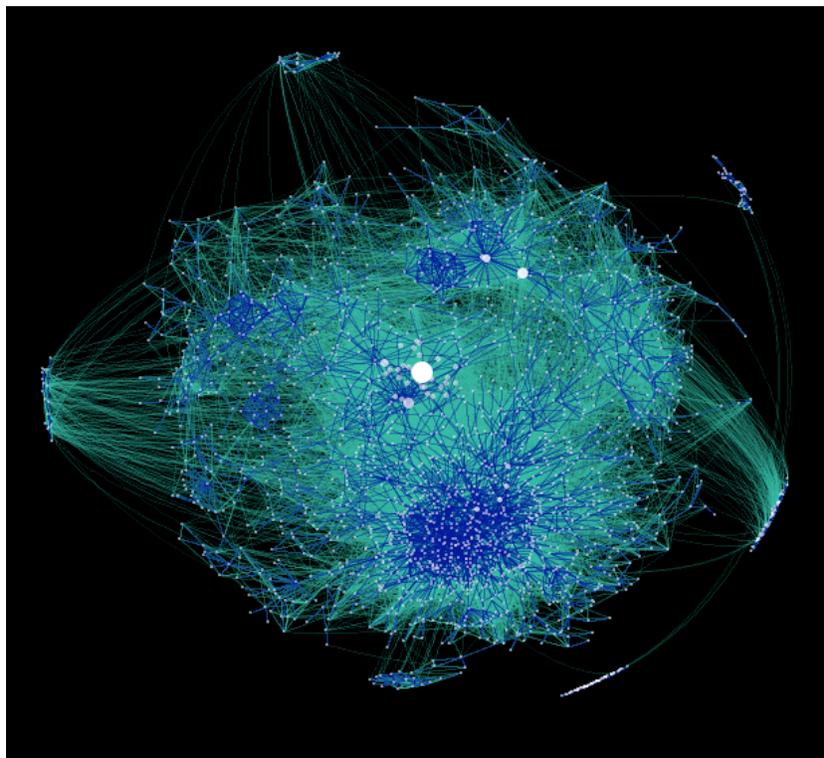


# The SUMO Speaker Series for Undergraduates

*(food from Pizza Chicago)*  
Wednesday, February 17  
4:40-5:30, room 380C



## Topology and Data

Prof. Gunnar Carlsson

Abstract: Algebraic topology is a mathematical formalism which provides information about the high level organization of geometric objects. It is possible to use these methods to glean information about various kinds of data. In this talk, I will give a quick introduction to algebraic topology, and show with examples how it can be used to gain information about how to organize non-linear high dimensional data.

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