Topology &Data
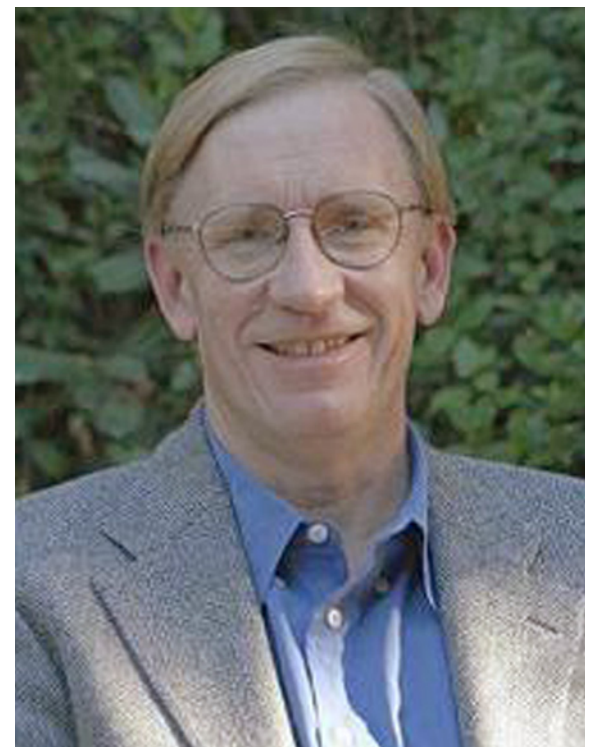
Thursday, April 16, 2009 7:00 pm.
Moore Auditorium
Florida State University

Speaker: Prof. Gunnar Carlsson
Affiliation: Stanford University

A Wine and Cheese Reception will follow.

ABSTRACT: One of the tasks which the brain carries out very effectively is the recognition of letters. It can recognize the difference between a letter "**A**" and a letter "**B**", even though there are many different fonts of letters, such as extremely blocky versus very rounded. It is not so easy to automate this recognition process, since one cannot simply match one fixed font to the letters. The mathematical version of such recognition problems is called Topology. In this lecture we will talk about how topological methods can be used to study problems in the analysis of data from various sources.

Prof. Carlsson will also give the "2009 FSU Mathematics Lecture" on Friday, 17 April 2009, 3:35 pm, 101 LOV.