MSRI Mathematical Sciences Research Institute

"Homological Sensor Networks"

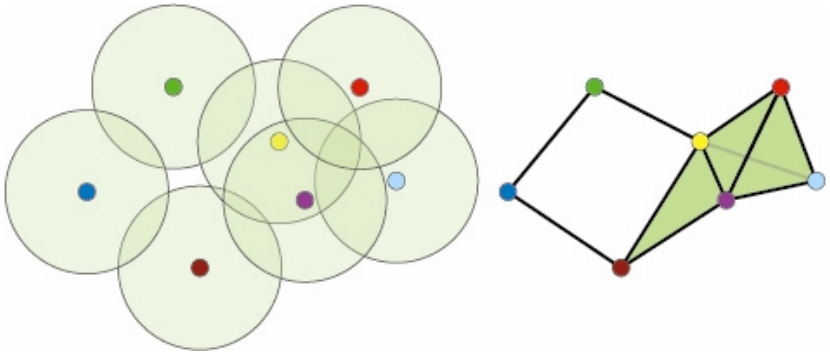
Monday, November 6, 2006
4:10pm
60 Evans Hall
University of California, Berkeley

Robert Ghrist (University of Illinois)

A simplicial complex is a topogical object consisting of many small pieces (simplices) attached (by combinatorial gluing) into a large complex (a space).

A sensor network is a physical system consisting of many small devices (sensors) attached (by wireless communications) into a large complex (a network).

Topologists have spent 100 years working on the former category of objects: it's time to apply these tools to the latter category.



Refreshments at a nearby establishment immediately following the talk!

The purpose of these lectures is to introduce the present year's research programs at MSRI to the mathematical sciences community in Berkeley. The talks will be ***expository and nontechnical****, providing some of the flavor of ongoing research at MSRI.*

Graduate students and Postdoctoral Fellows are particularly invited to attend these lectures.

Further information and links to the MSRI program and workshop web pages are available at: http://www.msri.org