WEEK 3 SCHEDULE

TABLE 1. June 19-June 23

	Monday	Tuesday	Wednesday	Thursday	Friday
8:00-9:00					
9:00-10:00		Research	Research	Research	Research
10:00-11:00	Presentations (PB 136)	Research	Research	Research	Research
11:00-12:00	Presentations (PB 136)	Research	Research	Research	Research
12:00-1:00	Presentations (PB 136)	Lunch	Lunch	Lunch	Lunch
1:00-2:00	Lunch	Research	Research	Research	Research
2:00-3:00	Research	Research	Research	Research	Research
3:00-4:00	Research Research	Research	Research	Research	Research
4:00-5:00	Workshop (PB 136)		Footie	Colloquium (PB 136)	

Workshop: Reading and writing mathematics

Colloquium speaker: Fay Zhong (CSU East Bay)

Title: The maximum community partition problem in networks

Abstract: Many network systems of interest are rising from real world networks, e.g. social networks and biological networks. One typical issue considered by researchers is how to find the community structures in those networks. We proposed a community structure detection problem which aims to analyze the relationships among the data via the network topology. We collect a series of unified definitions for community structures and formulate the community structure detection into a combinatorial optimization problem to identify as many communities as possible for a given network, and develop a heuristic algorithm based on greedy strategy. The experimental results on real networks show that the proposed algorithm is effective in terms of the number of valid communities and the modularity score.

Weekend Activity: Columbia, CA (Gold Country), leaving form the dorms on Saturday, at 7:30 a.m.