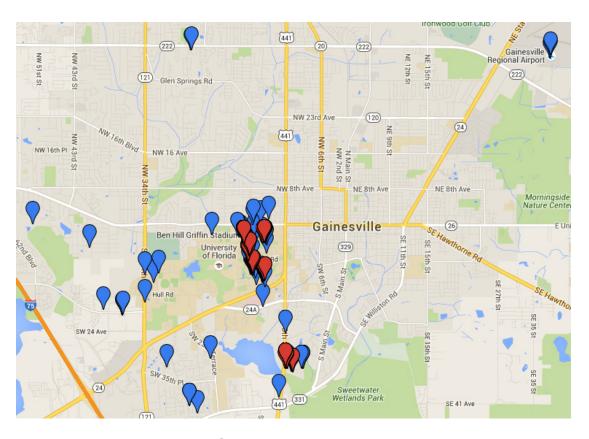
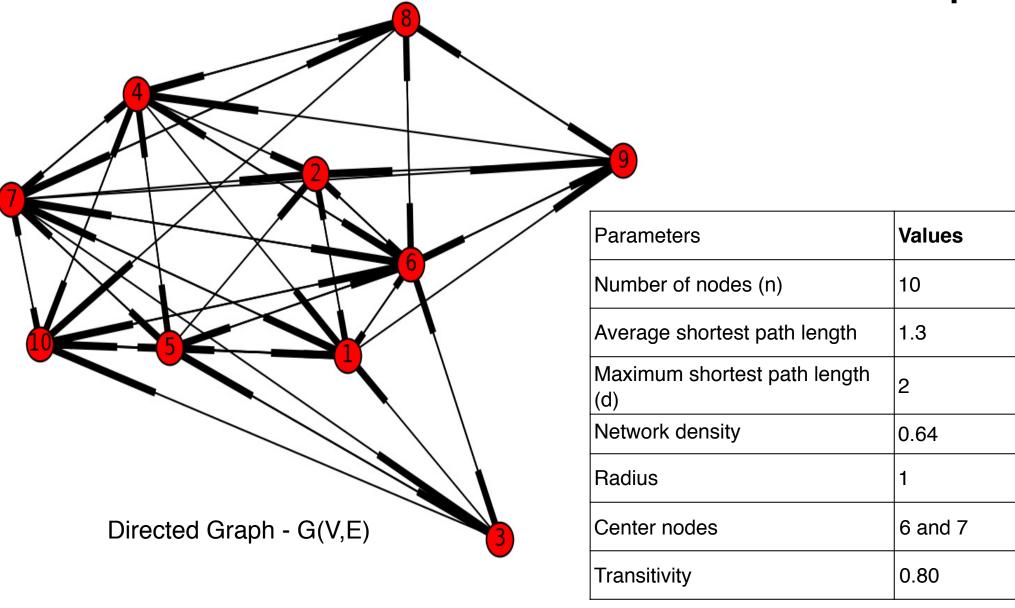
In Vivo Evaluation: Environment



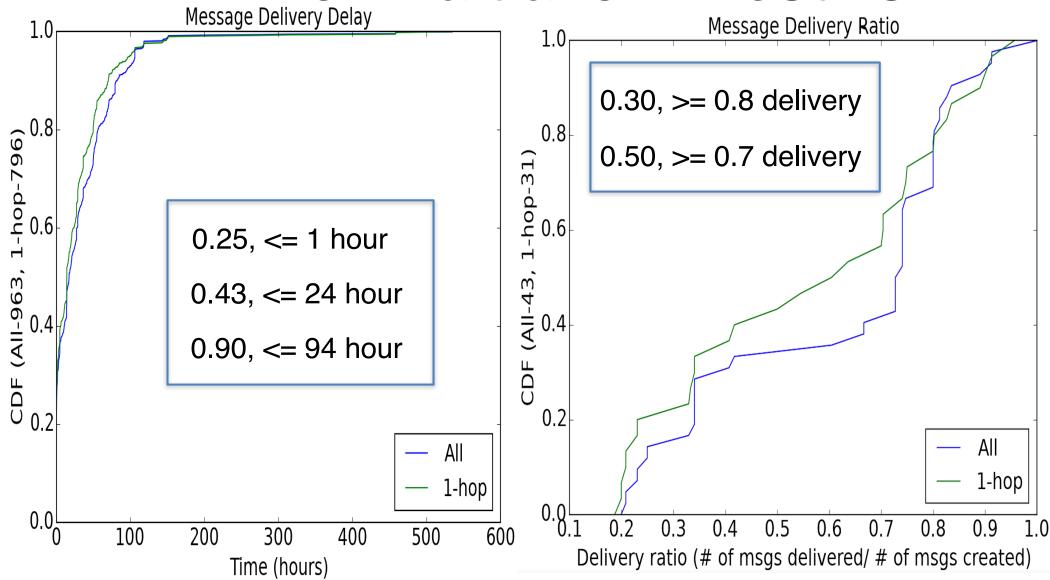
Gainesville, FL Area: 11km x 8km

Parameters	Active	
Number of nodes (n)	10	
Duration (days)	7	
Total messages created	259	
Total messages disseminated (1-hop)	796	
Total messages disseminated (>1-hop)	167	

In Vivo Evaluation: Social Relationships



In Vivo Evaluation: Results



Protocols Evaluated in Simulation

Protocol	Nodes	Transmission Range	Area
Interest based routing (Baker et al. 2017)	10	5m - 50m	88km²
Epidemic routing (Vahdat et al. 2000)		25m	.45km²
PRoPHET (Lindgren et al. 2004)	50	50m 100m	4.5km ²
CAR (Musolesi et al. 2009)		200m	1km ²
SocialCast (Costa et al. 2008)	100		16km ²
CAR (Musolesi et al. 2000)	100	250m	2km ²

^[1] Baker CE et. al, "Efficient routing using evolving community structures in mobile delay tolerant social networks" (In-progress)