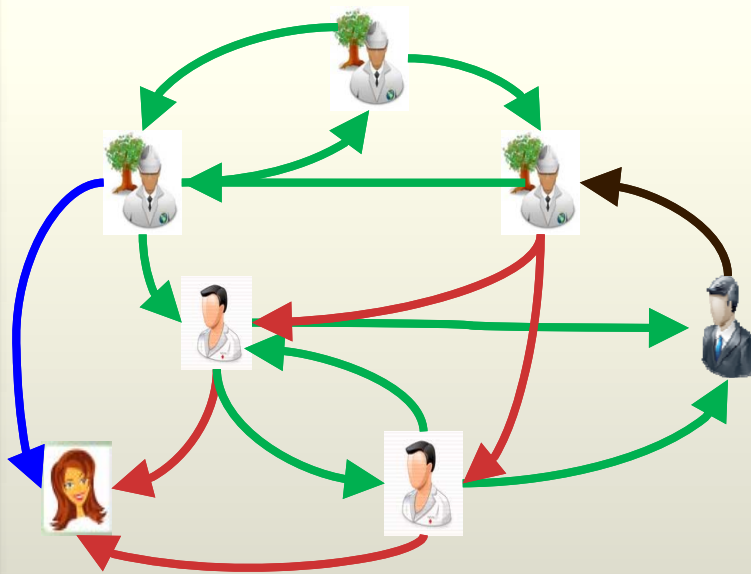


Adding Regular Expressions to Graph Reachability and Pattern Queries

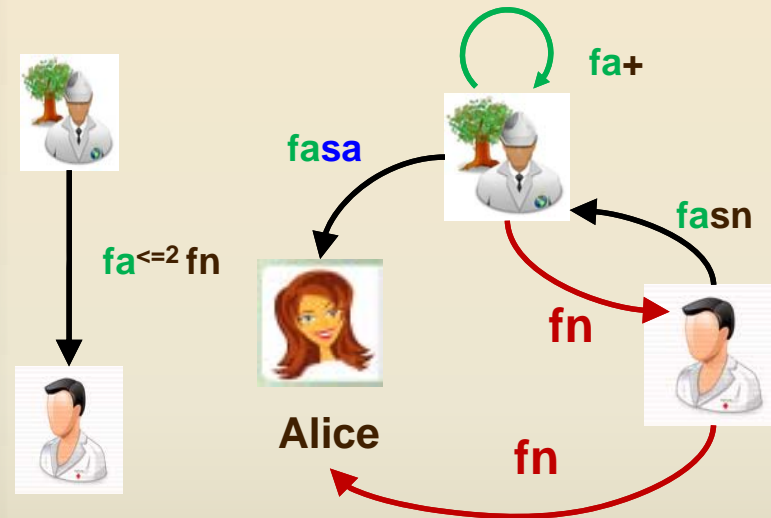
Wenfei Fan, Jianzhong Li, Shuai Ma, Nan Tang, Yinghui Wu
University of Edinburgh Harbin Institute of Technology

strangers-nemeses strangers-allies
friends-allies friends-nemeses



Social Voting Network

- ✓ Real-life networks are **complex**
 - node attributes and edge types
 - subgraph isomorphism?



- ✓ **Reachability Queries** and **Graph Pattern Queries**: adding regular expressions