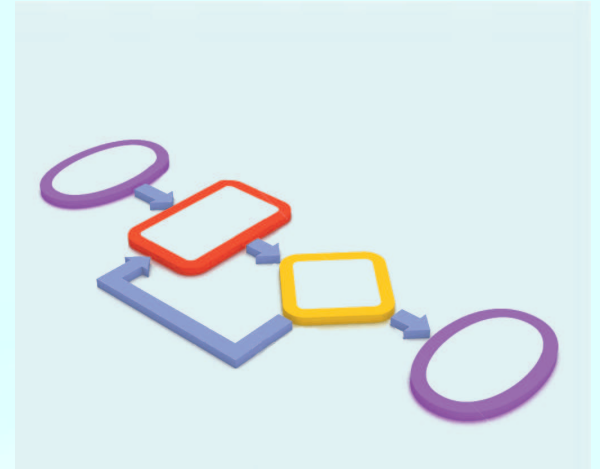


Roberto Solis-Oba

Algorithms:

- Sequential
- Parallel
- Distributed
- Randomized
- Parameterized
- Approximation Algorithms

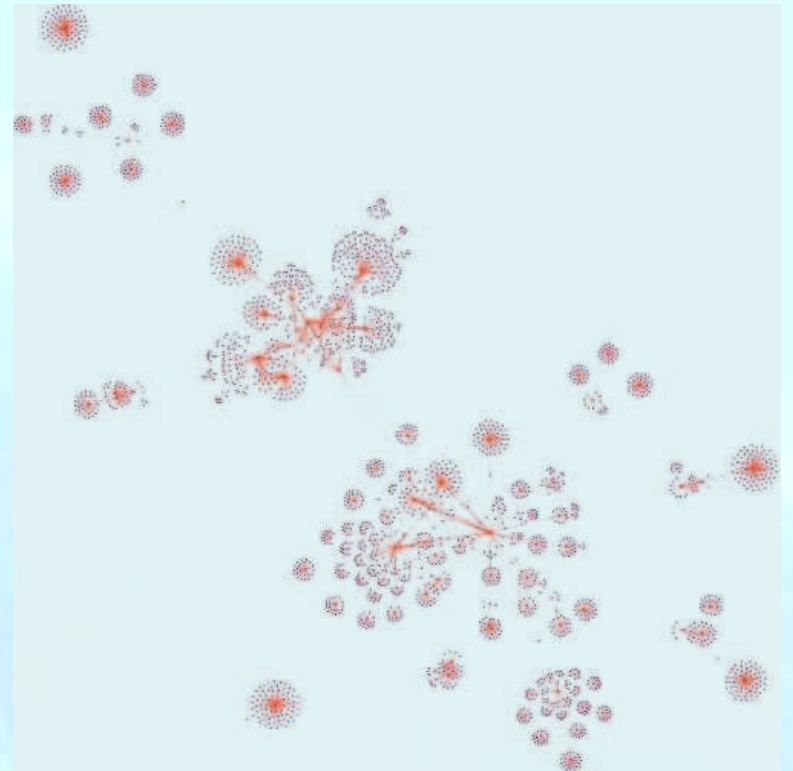


“Algorithm is the most fundamental concept of Computer Science.”
– Greg Frederickson

“Algorithmics is at the core of Computer Science”
– David Harel

Applications:

- Combinatorial Optimization
- Graphs and Networks
- Scheduling
- Internet Algorithmics
- Computational Biology



Course: CS9668 Internet Algorithmics

This course focuses on the design of efficient algorithms for problems that arise from the design and use of large area networks such as the Internet.

Topics

- Distributed Algorithms
- Peer-to-Peer Systems
- Searching for Information
- Caching
- Routing, Load Balancing and Clustering
- Game Theory

