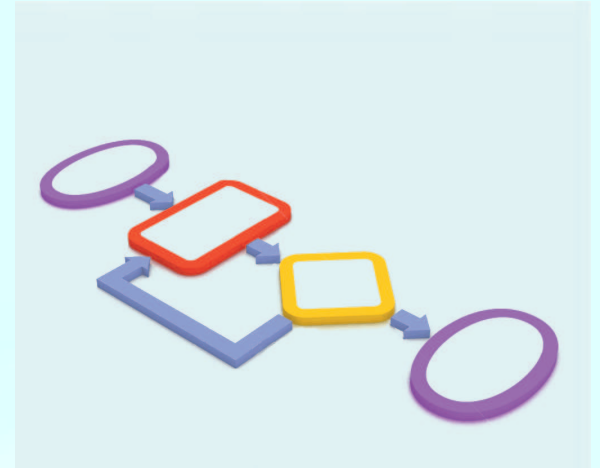


Roberto Solis-Oba

Algorithms:

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



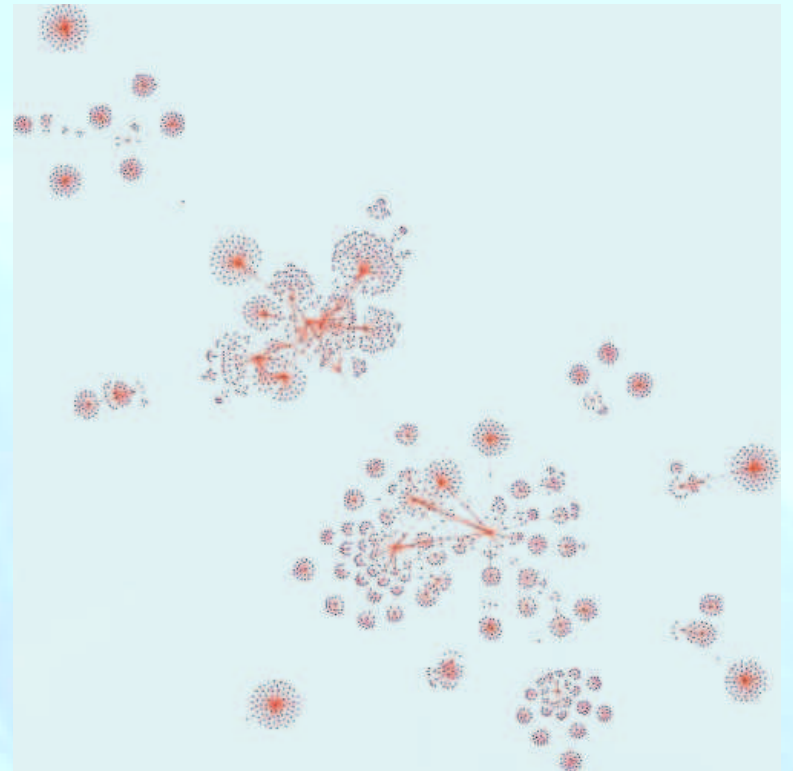
“Algorithm is the most fundamental concept of Computer Science.”
– Greg Frederickson

“Algorithmics is at the core of Computer Science”

– David Harel

Applications:

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



Course: CS4445/9544 Analysis of Algorithms II

Topics

This course focuses on the design of efficient algorithmic solutions for optimization problems.

- Maximum Flows
- Approximation Algorithms
- Randomized Algorithms
- Online Algorithms
- Parallel Algorithms

