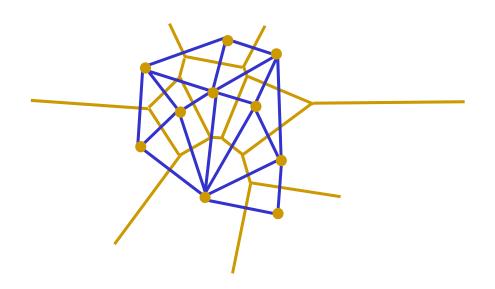
# CMPS 3120/6120 Computational Geometry

### Carola Wenk

Department of Computer Science



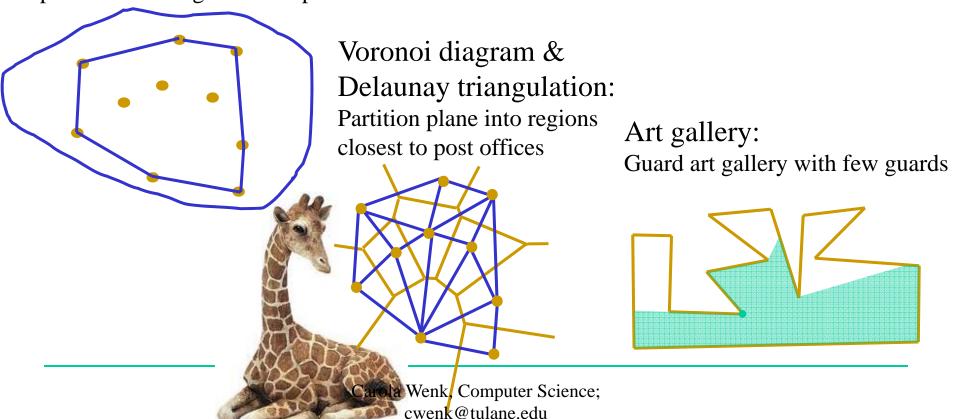




Algorithms and data structures for geometric objects

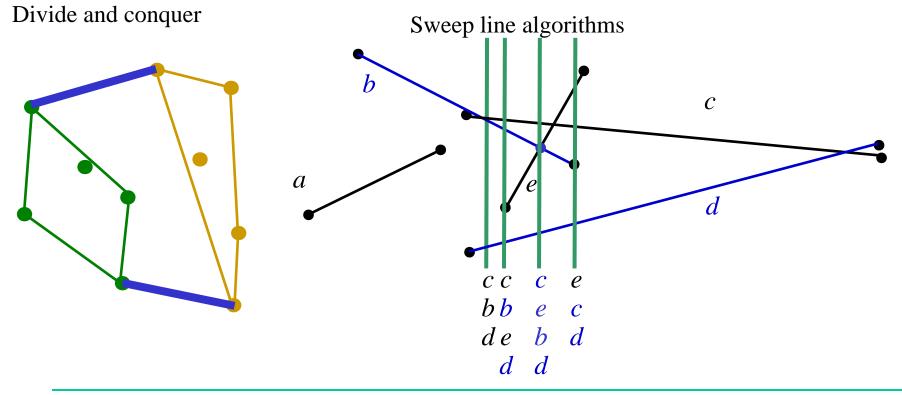
#### Convex hull:

Snap rubber band tight around pins



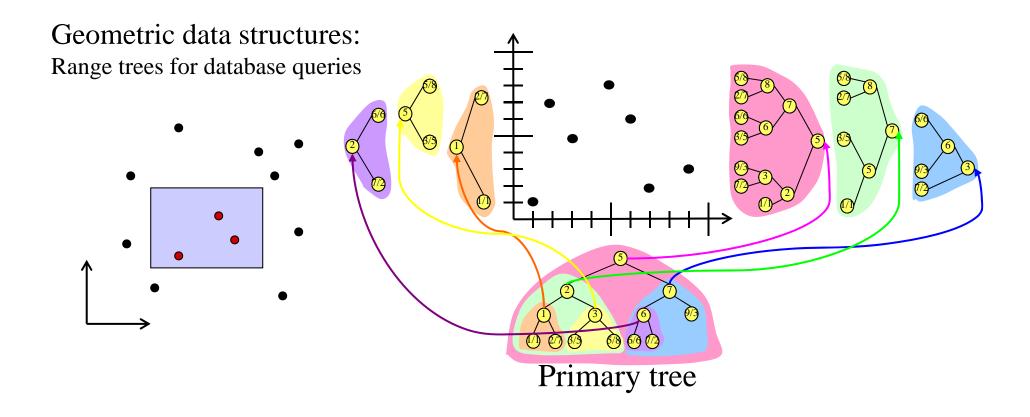
# Introduction to Geometric Algorithms

Algorithm design techniques:



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## Introduction to Geometric Algorithms



### CMPS 3120/6120 Computational Geometry

#### Related areas:

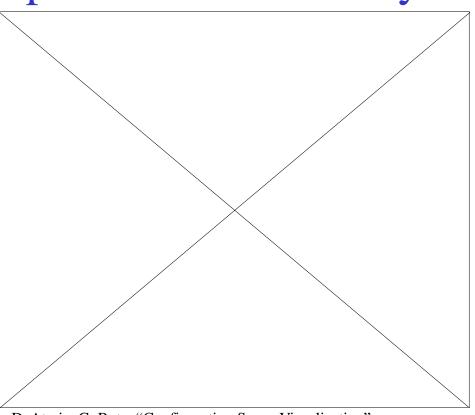
Graph theory, combinatorics, topology

### Applied areas:

Databases, sensor networks, robotics, computer graphics

### Prerequisites:

Basic programming background or mathematics background (Email me for prerequisite override.)



D. Ataria, G. Rote, "Configuration Space Visualization", Symposium on Computational Geometry, 2012

### Class webpage:

www.cs.tulane.edu/~carola/teaching/cmps3120-6120/spring13

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