Location-Based Routing An overview and possible directions for GeoCRON

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Introduction

- Traditional routing
 - Unique address
 - Source routing
 - Distance-vector
- Why location information?
 - ▶ Latency: request from closer server, route locally when possible
 - ► Congestion: confine route requests to smaller regions (MANETs)
 - ► Recovery: avoid problematic areas of the network
 - Geocast: deliver messages to all (or some) nodes in target region
 - ► Energy: closer nodes need less radio power to reach
 - Sensors: regional event detection, spatial querying
 - ► Planning: paths (robots), surveillance cameras (focus on area target will appear next)

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Overview

- Location service
- Clustering
- Geometric



Location Service

mention voids