

Computer Science Department, Northwestern University
Presents

**“From the Tennis Club to the Golf Course
in 0.005 Seconds or Less:
A Commercial Shortest-Path Engine
That Employs Preprocessing”**

**Phillip Klein
Professor, Brown University
Chief Scientist and Senior Vice President of WaveMarket, Inc.**

**--- 3:00 pm --- Friday, November 1, 2002
CS Main Classroom (rm. 381), 1890 Maple Avenue**

Abstract:

As part of a software suite for supporting location-based services, WaveMarket has developed a fast engine for computing a single-source, single-sink shortest path in a road network. The engine is faster than competing products by more than an order of magnitude. In this talk, we describe some of the the algorithmic ideas behind this advance.