

# Safe Path Planning Strategy for Bike Net

歐陽雯, 俞征武, 游坤明, 林克叡, 張懷澤, 鄭耿宇, 戴琳儷, 林忠漢

Computer Science & Information Engineering

Computer Science and Informatics

ouyang@chu.edu.tw

## Abstract

Biking has attracted much attention recently. Path planning is essential for travel style activities, including biking, and safety is always first priority in any type of activities. There are tools which helps people to plan for biking tour paths. However, safety is not a major concern in them. This work proposes a safe path planning strategy which addresses the issue. An experiment is conducted in a real site to realize the path planning strategy at the same time.

Keyword : biking; safety; safe path; path planning; bike net; shortest path; graph theory