

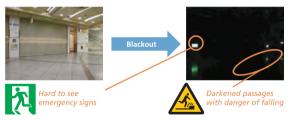
Indoor Evacuation System With Smartphones That Helps Evacuees In a Blacked Out Building

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1. Introduction

When a disaster happens, people in a bulding have to escape as quickly as possible.

However, *Power failure* may occur and prevent people from escaping.



As a result, people take long time to escape and are in danger of losing them lives.

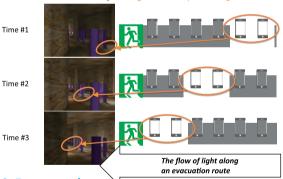
2. Our proposal

Our research group has proposed an indoor evacuation system that utilizes people's smartphones



Our system provides information of the evacuation routes and illuminates the passages around people at the same time.

- •Illuminates passages by turning smartphone's lights on
- •Indicates evacuation routes by making each smartphone's light blinks



3. Future work

In order to implement our system, *an indoor positioning method for smartphones* is needed.

A method that finds the most appropriate evacuation route is also needed.

