

# New Testing Scenarios for MANET Routing Protocols



## Problem

- Comparison of proposed routing protocols for MANET networks are very hard only by their papers
- Security proposals in these papers are tested on ideal scenarios
- There is no standardized benchmarks for security evaluation of MANET routing protocols

## Contribution

- 4 new attacks included in testing scenarios
- Complete description of these new attacks
- Each scenario focused on specific attack types
- Evaluation based on defined network parameters
- 2 new security proposals for detection of:
  - Delay
  - Wormhole

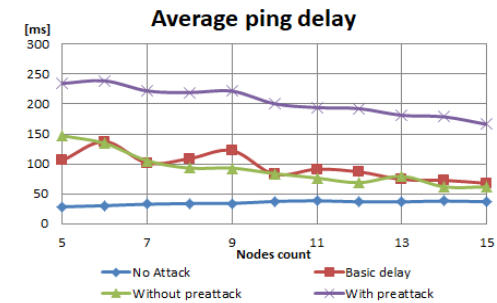
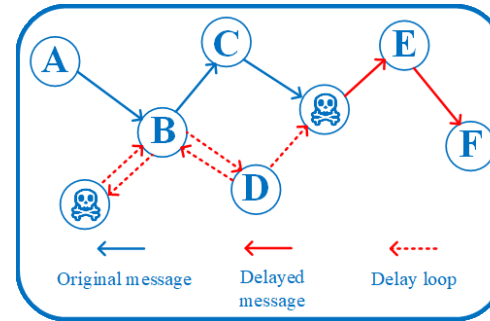
## Future work

- Propose own secure MANET routing protocols using new security proposals
- Compare proposed routing protocol with other secure reactive routing protocols such as SAOVD, SRP, ARAN

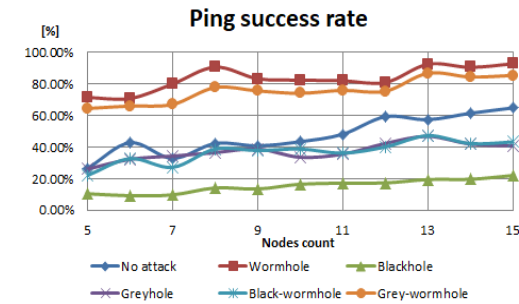
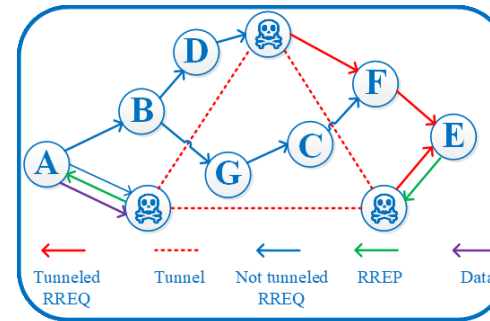
## New attacks

## Evaluation

Juggler



Black Wormhole



RREQ Flood

