Comunicação em rede AD-Hoc para auxílio em situação de emergência

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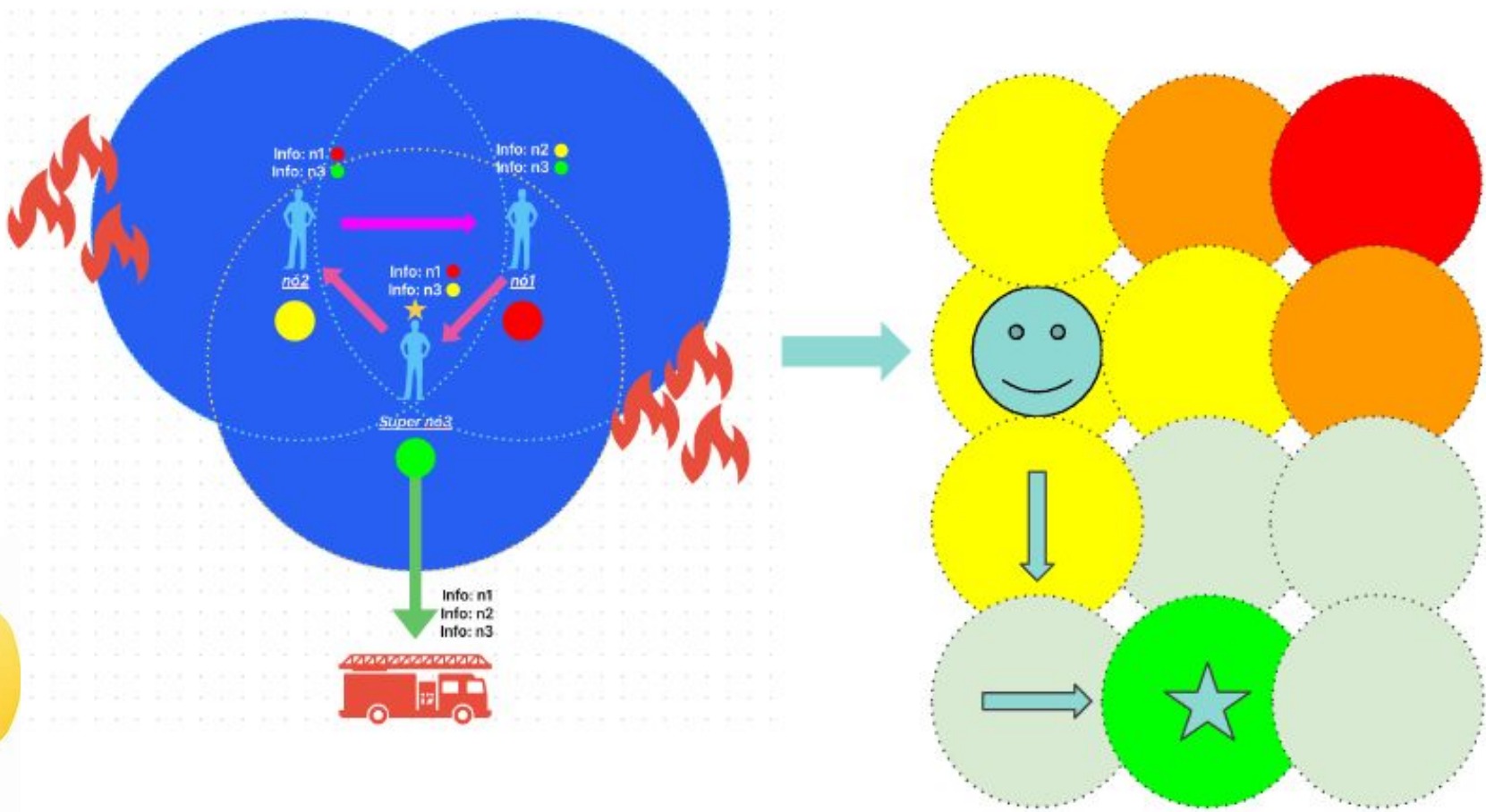Redes e Sistemas Autónomos, 4º ano, MECT.

2024

Abstract

The project focused on implementing a system specifically designed to help the node find safety during emergency situations, such as fires.

Communication and information sharing allow users to be guided to safe locations, even in environments where traditional communication infrastructure is compromised.

The node analyzes the security level of the area around you with the help of sensors and communicates this information to others so that everyone can map the safe areas and move there.

Exchange of CAM messages via NAP-Vanetza,
Exchange of customized messages through MQTT
Simulation APP running on the host PC (simulation of GPS, sensors and visualization)

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