## Hybrid Vehicular Communications Optimization For **Cooperative Intelligent Transport Systems** Mouna Karoui<sup>1</sup> : First year phd student UNIVERSITÉ Clermont Supervisors: Michel Misson<sup>1</sup>, Gérard Chalhoub<sup>1</sup> Auvergne Co-Supervior: Antonio Freitas<sup>1</sup> <sup>1</sup>University of Clermont Auvergne

## Introduction

- The goal of this phd topic is to propose hybrid network architecture for C-ITS, that combines standards used for vehicular networks such as IEEE 802.11p/ETSI ITS-G5 and a cellular technology. Then a performance study of the proposed architecture will be done.
- tion dedicated for vehicular communications.





- ios and use cases in order to validate our implementation.
- Second, we will evaluate ITS-G5 network performance of ITS services (GLOSA, CAM, DENM etc..).
- We will study ETSI ITS-G5 limitations and then we will propose hybrid network architecture that combines ETSI ITS-G5 and a cellular technology.

## **Contact Information**

• Email: mouna.karoui@uca.fr

