

V2X Systems and Connected Cars Summer School

01 August 2016 – 02 September 2016

Organized by

Vehicular Networking and Intelligent Transportation Systems Research Group  **VENIT-RG**

Scope

Vehicular Networks are the key component of ITS; enabling and integrating the use of various technologies, communication standards and the infrastructures. Vehicular networks are composed of vehicles and infrastructure units. They enable a range of important applications and services such as multimedia content sharing, traffic monitoring and safety enhancement. Recently, there are new open project calls on V2X systems and V2X communications. In addition to proposing new projects for these calls, this summer school aims to provide:

- a state-of-the-art overview
- study on V2X standards
- discussions on the models in the literature
- new models to be proposed at the end of the summer school
- hands-on programming for the simulation of V2X communications.

Program

The summer school is planned for five weeks. Starting with an overview of the state-of-art V2X Systems, standards (IEEE 1609 and 802.11p) will be discussed in detailed. A one-week hands-on programming training will be given to build the simulation environment for V2X systems and communications. Sample applications and scenarios will be implemented and tested on the simulation environment. The last two-weeks are left for discussing research studies in the literature.

Schedule

Week	Date	Weekly Schedule
1	1-5 August 2016	Every day - 09:00 – 12:00 / 13:30 – 17:00
2	8-12 August 2016	Every day - 09:00 – 12:00 / 13:30 – 17:00
3	15-19 August 2016	Every day - 09:00 – 12:00 / 13:30 – 17:00
4	22-26 August 2016	On selected two days (TBD) - 09:00 – 12:00 / 13:30 – 17:00
5	29 August 2016 – 2 September 2016	On selected two days (TBD) - 09:00 – 12:00 / 13:30 – 17:00

Organizer:

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