

## Experimenting with flexible vehicle to everything **communication** in LTE **sidelink** network

Z Yi - 2019 - politesi.polimi.it

... specification for **vehicle-to-vehicle (V2V) communication**. In ... in a **sidelink** to the **base station** using SidelinkUEInformation ... the **channel** for 1 second and process the sensing **results** in ...

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## Applying multiradio access technologies for reliability enhancement in vehicle-to-everything **communication**

J Lianghai, A Weinand, B Han, HD Schoffen - IEEE Access, 2018 - ieeeexplore.ieee.org

... LTE-Uu interface is the air interface between the **base station (BS)** ... configuration **information** for the **sidelink communication**. ... , "Direct **vehiclet-to-vehicle communication** with infrastructure ...

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## Enhanced Distributed Resource Selection and Power Control for High Frequency NR V2X **Sidelink**

A Srivastava, S Datta, S Goyal, U Salim... - IEEE ..., 2023 - ieeeexplore.ieee.org

... without data passing through the **base stations**. NR V2X use ... Our **results** validate the gains for the proposed paired ... The authors in [26] propose a SL, full duplex, **grant-free** transmission ...

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## On Adjacent **Channel** Interference-Aware Radio Resource Management for **Vehicle-to-Vehicle Communication**

AHU Siddique - 2019 - search.proquest.com

... **communication** can be controlled by either a **base station (BS)**... Pathloss **results** have been derived through **measurement** ... its cluster **index** and group **index** from its position **index**, as ...

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## On the design of **sidelink** for cellular V2X: A literature review and outlook for future

A Bazzi, AO Berthel, C Campolo, BM Masini... - IEEE ..., 2021 - ieeeexplore.ieee.org

... ) to denote the vehicles, and **vehiclet-to-vehicle (V2V)**, vehicle-... , the NR **base station**, called gNodeB, schedules the **sidelink** ... of inaccurate or outdated **measurements** and **results** in lower ...

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## Link level performance comparison of C-V2X and ITS-G5 for vehicular **channel** models

R Sattiraju, D Wang, A Weinand... - 2020 IEEE 91st ..., 2020 - ieeeexplore.ieee.org

... it includes different modes such as **Vehicle-to-Vehicle (V2V)**, ... However, these models are suitable for only **base station** to ... known as Physical **Sidelink Shared Channel (PSSCH)** periods, ...

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## Federated multi-agent deep reinforcement learning for resource allocation of **vehicle-to-vehicle communications**

X Li, L Lu, W Ni, A Jamalipour... - IEEE Transactions on ..., 2022 - ieeeexplore.ieee.org

... As a **result**, each agent individually optimizes **channel** ... of forwarding vehicular packets through a **base station (BS)**. In a ... radio sensing or **sidelink** control **channel**. The queue length  $Q_t$  ...

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## A tutorial survey on vehicular **communication state** of the art, and future research directions

PK Singh, SK Nandi, S Nandi - Vehicular Communications, 2019 - Elsevier


... It incorporates **communications** such as **Vehicle-to-Vehicle** (... (HT) and cellular **base stations**. The core network infrastructure ... is introduced and known as **sidelink** at the PHY layer. More ...

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## Spectrum sharing in vehicular networks based on multi-agent reinforcement learning

L Liang, H Ye, GY Li - ... on Selected Areas in Communications, 2019 - [ieeexplore.ieee.org](https://ieeexplore.ieee.org)


... learning, where multiple **vehicle-to-vehicle** (V2V) links reuse ... instantaneous **channel state information** at the **base station** for ... , we propose that such **sidelink** V2V connections share ...

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## Deep deterministic policy gradient (DDPG)-based resource allocation scheme for NOMA vehicular communications

YH Xu, CC Yang, M Hua, W Zhou - IEEE Access, 2020 - [ieeexplore.ieee.org](https://ieeexplore.ieee.org)

... which each **Vehicle-to-Vehicle** (V2V) communication acts as ... **Channel State Information** (CSI) at **base station**. Meanwhile, ... , we suppose that the **sidelink** V2I spectrum can be reused by ...

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