@ARTICLE{SystematicSurvey10225497,

author={Liu, Wei and Hua, Min and Deng, Zhiyun and Meng, Zonglin and Huang, Yanjun and Hu, Chuan and Song, Shunhui and Gao, Letian and Liu, Changsheng and Shuai, Bin and Khajepour, Amir and Xiong, Lu and Xia, Xin},

journal={IEEE Internet of Things Journal},

title={A {s}{y}{s}{t}{e}{m}{a}{t}{i}{c} {s}{u}{r}{v}{e}{y} {o}{f} {c}{o}{n}{t}{r}{o}{l} {t}{e}{c}{h}{n}{i}{q}{u}{e}{s} {a}{n}{d} {a}{p}{p}{l}{i}{c}{a}{t}{i}{o}{n}{s} {i}{n} {c}{o}{n}{n}{e}{c}{t}{e}{d} {a}{n}{d} {a}{u}{t}{o}{m}{a}{t}{e}{d} {v}{e}{h}{i}{c}{l}{e}{s}

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year={2023},

volume={10},

number={24},

pages={21892-21916},

keywords={Collaboration;Surveys;Sensors;Navigation;Trajectory tracking;Automation;Vehicle dynamics;Autonomous vehicles;Connected vehicles;State estimation;Autonomous vehicles (AVs);collaborative control;connected and automated vehicles (CAVs);state estimation;trajectory tracking control;vehicle sideslip angle},

doi={10.1109/JIOT.2023.3307002}}

@ARTICLE{UAV10403831,

author={Zhang, Jialong and Han, Kun and Zhang, Pu and Hou, Zhongxi and Ye, Lei},

journal={Journal of Systems Engineering and Electronics},

title={A {s}{u}{r}{v}{e}{y} {o}{n} {j}{o}{i}{n}{t}-{o}{p}{e}{r}{a}{t}{i}{o}{n} {a}{p}{p}{l}{i}{c}{a}{t}{i}{o}{n} {f}{o}{r} {u}{n}{m}{a}{n}{n}{e}{d} {s}{w}{a}{r}{m} {f}{o}{r}{m}{a}{t}{i}{o}{n}{s} {u}{n}{d}{e}{r} {a} {c}{o}{m}{p}{l}{e}{x} {c}{o}{n}{f}{r}{o}{n}{t}{a}{t}{i}{o}{n} {e}{n}{v}{i}{r}{o}{n}{m}{e}{n}{t}

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year={2023},

volume={34},

number={6},

pages={1432-1446},

keywords={Technical requirements;Surveys;Weapons;Autonomous aerial vehicles;Systems engineering and theory;Kinetic energy;unmanned swarm;operation style;weapon formation system;mobile group target;joint operation},

doi={10.23919/JSEE.2023.000162}}

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author={Wang, Yunpeng and Lang, Ping and Tian, Daxin and Zhou, Jianshan and Duan, Xuting and Cao, Yue and Zhao, Dezong},

journal={IEEE Internet of Things Journal},

title={A {g}{a}{m}{e}-{b}{a}{s}{e}{d} {c}{o}{m}{p}{u}{t}{a}{t}{i}{o}{n} {o}{f}{f}{l}{o}{a}{d}{i}{n}{g} {m}{e}{t}{h}{o}{d}} {i}{n} {{v}{e}{h}{i}{c}{u}{l}{a}{r} {m}{u}{l}{t}{i}{a}{c}{c}{e}{s}{s} {e}{d}{g}{e} {c}{o}{m}{p}{u}{t}{i}{n}{g} {n}{e}{t}{w}{o}{r}{k}{s}

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year={2020},

volume={7},

number={6},

pages={4987-4996},

doi={10.1109/JIOT.2020.2972061}}

@ARTICLE{DeepReinforcement9146378,

author={Haydari, Ammar and Yılmaz, Yasin},

journal={IEEE Transactions on Intelligent Transportation Systems},

title={Deep {r}{e}{i}{n}{f}{o}{r}{c}{e}{m}{e}{n}{t} {l}{e}{a}{r}{n}{i}{n}{g} {f}{o}{r} {i}{n}{t}{e}{l}{l}{i}{g}{e}{n}{t} {t}{r}{a}{n}{s}{p}{o}{r}{t}{a}{t}{i}{o}{n} {s}{y}{s}{t}{e}{m}{s}: {{a} {s}{u}{r}{v}{e}{y}}

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year={2022},

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number={1},

pages={11-32},

keywords={Machine learning;Autonomous vehicles;Control systems;Markov processes;Deep reinforcement learning;intelligent transportation systems;traffic signal control;autonomous driving;multi-agent systems},

doi={10.1109/TITS.2020.3008612}}

@ARTICLE{Autonomous9351818,

author={Kiran, B Ravi and Sobh, Ibrahim and Talpaert, Victor and Mannion, Patrick and Sallab, Ahmad A. Al and Yogamani, Senthil and Pérez, Patrick},

journal={IEEE Transactions on Intelligent Transportation Systems},

title={Deep {r}{e}{i}{n}{f}{o}{r}{c}{e}{m}{e}{n}{t} {l}{e}{a}{r}{n}{i}{n}{g} {f}{o}{r} {a}{u}{t}{o}{n}{o}{m}{o}{u}{s} {d}{r}{i}{v}{i}{n}{g}: {a} {s}{u}{r}{v}{e}{y}

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year={2022},

volume={23},

number={6},

pages={4909-4926},

keywords={Reinforcement learning;Autonomous vehicles;Task analysis;Planning;Robot sensing systems;Pipelines;Decision making;Deep reinforcement learning;autonomous driving;imitation learning;inverse reinforcement learning;controller learning;trajectory optimisation;motion planning;safe reinforcement learning},

doi={10.1109/TITS.2021.3054625}}

@ARTICLE{SecurityandPrivacy,

author={Lai, Chengzhe and Lu, Rongxing and Zheng, Dong and Shen, Xuemin},

journal={IEEE Network},

title={Security {a}{n}{d} {p}{r}{i}{v}{a}{c}{y} {c}{h}{a}{l}{l}{e}{n}{g}{e}{s} {i}{n} {5{g}-{e}{n}{a}{b}{l}{e}{d}} {v}{e}{h}{i}{c}{u}{l}{a}{r} {n}{e}{t}{w}{o}{r}{k}{s}

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year={2020},

volume={34},

number={2},

pages={37-45},

keywords={Security;Privacy;3GPP;Vehicle-to-everything;Autonomous vehicles;5G mobile communication;Long Term Evolution},

doi={10.1109/MNET.001.1900220}}

@article{刘雪娇186,

author = {刘雪娇, 曹天聪, 夏莹杰},

title = {区块链架构下高效的车联网跨域数据安全共享研究},

publisher = {通信学报},

year = {2023},

journal = {通信学报},

volume = {44},

number = {3},

eid = {186},

numpages = {11},

pages = {186-198},

keywords = {;车联网;跨域;数据共享;属性基加密;区块链},

%url = {https://www.infocomm-journal.com/txxb/CN/abstract/article\_173287.shtml},

doi = {10.11959/j.issn.1000-436x.2023031}}

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author={Noor-A-Rahim, Md. and Liu, Zilong and Lee, Haeyoung and Khyam, Mohammad Omar and He, Jianhua and Pesch, Dirk and Moessner, Klaus and Saad, Walid and Poor, H. Vincent},

journal={Proceedings of the IEEE},

title={{6G} {f}{o}{r} {{v}{e}{h}{i}{c}{l}{e}-{t}{o}-{e}{v}{e}{r}{y}{t}{h}{i}{n}{g}} {({V}2{X})} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s}: {e}{n}{a}{b}{l}{i}{n}{g} {t}{e}{c}{h}{n}{o}{l}{o}{g}{i}{e}{s}, {c}{h}{a}{l}{l}{e}{n}{g}{e}{s}, {a}{n}{d} {o}{p}{p}{o}{r}{t}{u}{n}{i}{t}{i}{e}{s}

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year={2022},

volume={110},

number={6},

pages={712-734},

keywords={Vehicle-to-everything;6G mobile communication;NOMA;Wireless communication;Security;Vehicle-to-infrastructure;Vehicle safety;Blockchains;Vehicle-to-everything;Autonomous aerial vehicles;Visible light communication;Satellites;Federated learning;Autonomous vehicles;Haptic interfaces;Blockchain;brain-controlled vehicle (BCV);federated learning;intelligent reflective surfaces (IRSs);machine learning (ML);nonorthogonal multiple access (NOMA);quantum;radio frequency (RF)-visible light communication (VLC) vehicle-to-everything (V2X);sixth-generation (6G)-V2X;tactile-V2X;terahertz (THz) communications;unmanned-aerial-vehicle (UAV)/satelliteassisted V2X},

doi={10.1109/JPROC.2022.3173031}}

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author={Kuutti, Sampo and Bowden, Richard and Jin, Yaochu and Barber, Phil and Fallah, Saber},

journal={IEEE Transactions on Intelligent Transportation Systems},

title={A {s}{u}{r}{v}{e}{y} {o}{f} {d}{e}{e}{p} {l}{e}{a}{r}{n}{i}{n}{g} {a}{p}{p}{l}{i}{c}{a}{t}{i}{o}{n}{s} {t}{o} {a}{u}{t}{o}{n}{o}{m}{o}{u}{s} {v}{e}{h}{i}{c}{l}{e} {c}{o}{n}{t}{r}{o}{l}

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year={2021},

volume={22},

number={2},

pages={712-733},

keywords={Autonomous vehicles;Deep learning;Task analysis;Training;Neural networks;Sensors;Reinforcement learning;Machine learning;neural networks;intelligent control;computer vision;advanced driver assistance;autonomous vehicles},

doi={10.1109/TITS.2019.2962338}}

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title={A {s}{u}{r}{v}{e}{y} {o}{n} {a}{p}{p}{r}{o}{x}{i}{m}{a}{t}{e} {e}{d}{g}{e} {{a}{i}} {f}{o}{r} {e}{n}{e}{r}{g}{y} {e}{f}{f}{i}{c}{i}{e}{n}{t} {a}{u}{t}{o}{n}{o}{m}{o}{u}{s} {d}{r}{i}{v}{i}{n}{g} {s}{e}{r}{v}{i}{c}{e}{s}

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year={2023},

volume={25},

number={4},

pages={2714-2754},

keywords={Artificial intelligence;Sensors;Autonomous vehicles;Edge computing;Surveys;Simultaneous localization and mapping;Vehicles;Approximate computing;connected vehicles;deep learning;edge computing;energy efficiency;intelligent vehicles;machine learning},

doi={10.1109/COMST.2023.3302474}}

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journal={Proceedings of the IEEE},

title={Edge {c}{o}{m}{p}{u}{t}{i}{n}{g} {f}{o}{r} {a}{u}{t}{o}{n}{o}{m}{o}{u}{s} {d}{r}{i}{v}{i}{n}{g}: {o}{p}{p}{o}{r}{t}{u}{n}{i}{t}{i}{e}{s} {a}{n}{d} {c}{h}{a}{l}{l}{e}{n}{g}{e}{s}

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year={2019},

volume={107},

number={8},

pages={1697-1716},

keywords={Autonomous vehicles;Edge computing;Sensors;Real-time systems;Vehicle-to-everything;Safety;Global navigation satellite system;Connected and autonomous vehicles (CAVs);edge computing;heterogeneous computing;security;vehicle-to-everything (V2X);vehicular operating system},

doi={10.1109/JPROC.2019.2915983}}

@ARTICLE{Autonomous9756370,

author={Wu, Mengyao and Yu, F. Richard and Liu, Peter Xiaoping},

journal={IEEE Transactions on Vehicular Technology},

title={Intelligence {n}{e}{t}{w}{o}{r}{k}{i}{n}{g} {f}{o}{r} {a}{u}{t}{o}{n}{o}{m}{o}{u}{s} {d}{r}{i}{v}{i}{n}{g} {i}{n} {b}{e}{y}{o}{n}{d} {5{g}} {n}{e}{t}{w}{o}{r}{k}{s} {w}{i}{t}{h} {{m}{u}{l}{t}{i}-{a}{c}{c}{e}{s}{s}} {e}{d}{g}{e} {c}{o}{m}{p}{u}{t}{i}{n}{g}

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year={2022},

volume={71},

number={6},

pages={5853-5866},

keywords={Roads;Autonomous vehicles;Computational modeling;Adaptation models;Training;Data models;Task analysis;Intelligence networking;Autonomous driving;Multi-access edge computing},

doi={10.1109/TVT.2022.3165172}}

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author={Zhou, Zhenyu and Feng, Junhao and Chang, Zheng and Shen, Xuemin},

journal={IEEE Transactions on Vehicular Technology},

title={{Energy-efficient} {e}{d}{g}{e} {c}{o}{m}{p}{u}{t}{i}{n}{g} {s}{e}{r}{v}{i}{c}{e} {p}{r}{o}{v}{i}{s}{i}{o}{n}{i}{n}{g} {f}{o}{r} {{v}{e}{h}{i}{c}{u}{l}{a}{r} {n}{e}{t}{w}{o}{r}{k}{s}: {a} {c}{o}{n}{s}{e}{n}{s}{u}{s} {a}{d}{m}{m} {a}{p}{p}{r}{o}{a}{c}{h}}

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year={2019},

volume={68},

number={5},

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doi={10.1109/TVT.2019.2905432}}

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title={{A} {p}{r}{o}{b}{a}{b}{i}{l}{i}{s}{t}{i}{c} {a}{p}{p}{r}{o}{a}{c}{h} {f}{o}{r} {{c}{o}{o}{p}{e}{r}{a}{t}{i}{v}{e} {c}{o}{m}{p}{u}{t}{a}{t}{i}{o}{n} {o}{f}{f}{l}{o}{a}{d}{i}{n}{g}} {i}{n} {{M}{E}{C}-{a}{s}{s}{i}{s}{t}{e}{d} {v}{e}{h}{i}{c}{u}{l}{a}{r} {n}{e}{t}{w}{o}{r}{k}{s}}

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year={2022},

volume={23},

number={2},

pages={899-911},

doi={10.1109/TITS.2020.3017172}}

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journal={IEEE Transactions on Vehicular Technology},

title={{Mobility-aware} {e}{d}{g}{e} {c}{a}{c}{h}{i}{n}{g} {a}{n}{d} {{c}{o}{m}{p}{u}{t}{i}{n}{g}} {i}{n} {{v}{e}{h}{i}{c}{l}{e} {n}{e}{t}{w}{o}{r}{k}{s}: {a} {d}{e}{e}{p} {r}{e}{i}{n}{f}{o}{r}{c}{e}{m}{e}{n}{t} {l}{e}{a}{r}{n}{i}{n}{g}}

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year={2018},

volume={67},

number={11},

pages={10190-10203},

doi={10.1109/TVT.2018.2867191}}

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title={{Distributed} {{c}{l}{u}{s}{t}{e}{r}{i}{n}{g}-{b}{a}{s}{e}{d}} {{c}{o}{o}{p}{e}{r}{a}{t}{i}{v}{e} {v}{e}{h}{i}{c}{u}{l}{a}{r} {e}{d}{g}{e} {c}{o}{m}{p}{u}{t}{i}{n}{g}} {f}{o}{r} {{r}{e}{a}{l}-{t}{i}{m}{e} {o}{f}{f}{l}{o}{a}{d}{i}{n}{g} {r}{e}{q}{u}{e}{s}{t}{s}}

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year={2022},

volume={71},

number={1},

pages={653-669},

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journal={IEEE Transactions on Vehicular Technology},

title={CoOR: {c}{o}{l}{l}{a}{b}{o}{r}{a}{t}{i}{v}{e} {t}{a}{s}{k} {o}{f}{f}{l}{o}{a}{d}{i}{n}{g} {a}{n}{d} {s}{e}{r}{v}{i}{c}{e} {c}{a}{c}{h}{i}{n}{g} {r}{e}{p}{l}{a}{c}{e}{m}{e}{n}{t} {f}{o}{r} {v}{e}{h}{i}{c}{u}{l}{a}{r} {e}{d}{g}{e} {c}{o}{m}{p}{u}{t}{i}{n}{g} {n}{e}{t}{w}{o}{r}{k}{s}

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year={2023},

volume={72},

number={7},

pages={9676-9681},

keywords={Task analysis;Delays;Costs;Vehicle dynamics;Collaboration;Heuristic algorithms;Wireless networks;Service caching;vehicle edge computing;cache replacement;DRL},

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author = { Nemirovski, Arkadi and Shapiro, Alexander},

title = {{Convex approximations} of {chance constrained programs}},

journal = {SIAM Journal on Optimization},

volume = {17},

number = {4},

pages = {969-996},

year = {2007},

doi = {10.1137/050622328}}

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title={Nonlinear {p}{r}{o}{g}{r}{a}{m}{m}{i}{n}{g} ({a}{t}{h}{e}{n}{a} {s}{c}{i}{e}{n}{t}{i}{f}{i}{c}, {n}{a}{s}{h}{u}{a}, {n}{h})

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author={Bertsekas, D},

year={1999}}

@ARTICLE{Zhou2017,

author={Zhou, Haibo and Xu, Wenchao and Bi, Yuanguo and Chen, Jiacheng and Yu, Quan and Shen, Xuemin Sherman},

journal={IEEE Wireless Communications},

title={{Toward} {5{g}} {s}{p}{e}{c}{t}{r}{u}{m} {s}{h}{a}{r}{i}{n}{g} {f}{o}{r} {{i}{m}{m}{e}{r}{s}{i}{v}{e}-{e}{x}{p}{e}{r}{i}{e}{n}{c}{e}-{d}{r}{i}{v}{e}{n} {v}{e}{h}{i}{c}{u}{l}{a}{r} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s}}

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volume={24},

number={6},

pages={30-37},

doi={10.1109/MWC.2017.1600412}}

@ARTICLE{Tran2019,

author={Tran, Tuyen X. and Pompili, Dario},

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title={{Joint} {t}{a}{s}{k} {o}{f}{f}{l}{o}{a}{d}{i}{n}{g} {a}{n}{d} {{r}{e}{s}{o}{u}{r}{c}{e} {a}{l}{l}{o}{c}{a}{t}{i}{o}{n}} {f}{o}{r} {{m}{u}{l}{t}{i}-{s}{e}{r}{v}{e}{r} {m}{o}{b}{i}{l}{e}-{e}{d}{g}{e} {c}{o}{m}{p}{u}{t}{i}{n}{g} {n}{e}{t}{w}{o}{r}{k}{s}}

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volume={68},

number={1},

pages={856-868},

doi={10.1109/TVT.2018.2881191}}

@ARTICLE{Liang2021,

author={Liu, Zhixin and Liang, Changjian and Yuan, Yazhou and Chan, Kit Yan and Guan, Xinping},

journal={IEEE/CAA Journal of Automatica Sinica},

title={{Resource} {a}{l}{l}{o}{c}{a}{t}{i}{o}{n} {b}{a}{s}{e}{d} {o}{n} {{u}{s}{e}{r} {p}{a}{i}{r}{i}{n}{g}} {a}{n}{d} {{s}{u}{b}{c}{a}{r}{r}{i}{e}{r} {m}{a}{t}{c}{h}{i}{n}{g}} {f}{o}{r} {{d}{o}{w}{n}{l}{i}{n}{k}} {{n}{o}{n}-{o}{r}{t}{h}{o}{g}{o}{n}{a}{l}} {{m}{u}{l}{t}{i}{p}{l}{e} {a}{c}{c}{e}{s}{s} {n}{e}{t}{w}{o}{r}{k}{s}}

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volume={8},

number={3},

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title={{Power} {a}{l}{l}{o}{c}{a}{t}{i}{o}{n} {w}{i}{t}{h} {e}{n}{e}{r}{g}{y} {e}{f}{f}{i}{c}{i}{e}{n}{c}{y} {o}{p}{t}{i}{m}{i}{z}{a}{t}{i}{o}{n} {i}{n} {{c}{e}{l}{l}{u}{l}{a}{r}} {{D}2{D}-{b}{a}{s}{e}{d}} {{V}2{X} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n} {n}{e}{t}{w}{o}{r}{k}}

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number={12},

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doi={10.1109/TITS.2019.2945770}}

@ARTICLE{Chen2022,

author={Chen, Yuanbin and Wang, Ying and Jiao, Lei},

journal={IEEE Transactions on Wireless Communications},

title={{Robust} {t}{r}{a}{n}{s}{m}{i}{s}{s}{i}{o}{n} {f}{o}{r} {{r}{e}{c}{o}{n}{f}{i}{g}{u}{r}{a}{b}{l}{e} {i}{n}{t}{e}{l}{l}{i}{g}{e}{n}{t} {s}{u}{r}{f}{a}{c}{e} {a}{i}{d}{e}{d} {m}{i}{l}{l}{i}{m}{e}{t}{e}{r} {w}{a}{v}{e} {v}{e}{h}{i}{c}{u}{l}{a}{r} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s} {w}{i}{t}{h} {s}{t}{a}{t}{i}{s}{t}{i}{c}{a}{l}} {{C}{S}{I}}

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volume={21},

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doi={10.1109/TWC.2021.3100492}}

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title={{Chance-constrained} {o}{p}{t}{i}{m}{i}{z}{a}{t}{i}{o}{n} {i}{n} {{D}2{D}-{B}{a}{s}{e}{d} {v}{e}{h}{i}{c}{u}{l}{a}{r} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n} {n}{e}{t}{w}{o}{r}{k}}

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title={{Resource} {a}{l}{l}{o}{c}{a}{t}{i}{o}{n} {f}{o}{r} {{D}2{D}-{B}{a}{s}{e}{d}} {{V}2{X}} {{c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n} {w}{i}{t}{h} {i}{m}{p}{e}{r}{f}{e}{c}{t}} {{C}{S}{I}}

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doi={10.1109/JIOT.2020.2973267}}

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title={{Energy-spectral} {e}{f}{f}{i}{c}{i}{e}{n}{c}{y} {o}{p}{t}{i}{m}{i}{z}{a}{t}{i}{o}{n} {i}{n} {{v}{e}{h}{i}{c}{u}{l}{a}{r} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s}: {j}{o}{i}{n}{t} {c}{l}{u}{s}{t}{e}{r}{i}{n}{g}} {a}{n}{d} {{p}{r}{i}{c}{i}{n}{g}-{b}{a}{s}{e}{d} {r}{o}{b}{u}{s}{t} {p}{o}{w}{e}{r} {c}{o}{n}{t}{r}{o}{l} {a}{p}{p}{r}{o}{a}{c}{h}}

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year={2020},

volume={69},

number={11},

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journal={IEEE Journal on Selected Areas in Communications},

title={{Optimal} {UAV} {{c}{a}{c}{h}{i}{n}{g}} {a}{n}{d} {{t}{r}{a}{j}{e}{c}{t}{o}{r}{y}} {i}{n} {{a}{e}{r}{i}{a}{l}-{a}{s}{s}{i}{s}{t}{e}{d} {v}{e}{h}{i}{c}{u}{l}{a}{r} {n}{e}{t}{w}{o}{r}{k}{s}: {a} {l}{e}{a}{r}{n}{i}{n}{g}-{b}{a}{s}{e}{d} {a}{p}{p}{r}{o}{a}{c}{h}}

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volume={38},

number={12},

pages={2783-2797},

doi={10.1109/JSAC.2020.3005469}}

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author={Lyu, Feng and Yang, Peng and Wu, Huaqing and Zhou, Conghao and Ren, Ju and Zhang, Yaoxue and Shen, Xuemin},

journal={IEEE Transactions on Intelligent Transportation Systems},

title={{Service-oriented} {d}{y}{n}{a}{m}{i}{c} {r}{e}{s}{o}{u}{r}{c}{e} {s}{l}{i}{c}{i}{n}{g} {a}{n}{d} {{o}{p}{t}{i}{m}{i}{z}{a}{t}{i}{o}{n}} {f}{o}{r} {{s}{p}{a}{c}{e}-{a}{i}{r}-{g}{r}{o}{u}{n}{d}} {{i}{n}{t}{e}{g}{r}{a}{t}{e}{d} {v}{e}{h}{i}{c}{u}{l}{a}{r} {n}{e}{t}{w}{o}{r}{k}{s}}

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year={2022},

volume={23},

number={7},

pages={7469-7483},

doi={10.1109/TITS.2021.3070542}}

@ARTICLE{ACO,

author={Wu, Qingqing and Xu, Jie and Zeng, Yong and Ng, Derrick Wing Kwan and Al-Dhahir, Naofal and Schober, Robert and Swindlehurst, A. Lee},

journal={IEEE Journal on Selected Areas in Communications},

title={{A} {c}{o}{m}{p}{r}{e}{h}{e}{n}{s}{i}{v}{e} {o}{v}{e}{r}{v}{i}{e}{w} {o}{n} {5{g}}-{a}{n}{d}-{{b}{e}{y}{o}{n}{d} {n}{e}{t}{w}{o}{r}{k}{s} {w}{i}{t}{h}} {{U}{A}{V}{s}}: {{f}{r}{o}{m} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s}} {t}{o} {{s}{e}{n}{s}{i}{n}{g}} {a}{n}{d} {{i}{n}{t}{e}{l}{l}{i}{g}{e}{n}{c}{e}}

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year={2021},

volume={39},

number={10},

pages={2912-2945},

doi={10.1109/JSAC.2021.3088681}}

@ARTICLE{OSI,

author={Kato, Nei and Fadlullah, Zubair Md. and Tang, Fengxiao and Mao, Bomin and Tani, Shigenori and Okamura, Atsushi and Liu, Jiajia},

journal={IEEE Wireless Communications},

title={{Optimizing} {{s}{p}{a}{c}{e}-{a}{i}{r}-{g}{r}{o}{u}{n}{d}} {i}{n}{t}{e}{g}{r}{a}{t}{e}{d} {n}{e}{t}{w}{o}{r}{k}{s} {b}{y} {{a}{r}{t}{i}{f}{i}{c}{i}{a}{l} {i}{n}{t}{e}{l}{l}{i}{g}{e}{n}{c}{e}}

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year={2019},

volume={26},

number={4},

pages={140-147},

doi={10.1109/MWC.2018.1800365}}

@ARTICLE{DSF,

author={Liu, Miao and Yang, Jie and Gui, Guan},

journal={IEEE Internet of Things Journal},

title={{DSF-NOMA}: {UAV-Assisted} {emergency} {communication} {technology} in a {heterogeneous} {internet} of {things}},

year={2019},

volume={6},

number={3},

pages={5508-5519},

doi={10.1109/JIOT.2019.2903165}}

@ARTICLE{无人机辅助230770,

author={Yang, Gang and Dai, Rao and Liang, Ying-Chang},

journal={IEEE Transactions on Wireless Communications},

title={{Energy-efficient} {UAV} {b}{a}{c}{k}{s}{c}{a}{t}{t}{e}{r} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n} {w}{i}{t}{h} {j}{o}{i}{n}{t} {t}{r}{a}{j}{e}{c}{t}{o}{r}{y} {d}{e}{s}{i}{g}{n} {a}{n}{d} {r}{e}{s}{o}{u}{r}{c}{e} {o}{p}{t}{i}{m}{i}{z}{a}{t}{i}{o}{n}

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year={2021},

volume={20},

number={2},

pages={926-941},

keywords={Unmanned aerial vehicles;Trajectory;Backscatter;Wireless communication;Iterative methods;Radio frequency;Optimization;Backscatter communication;UAV communication;energy efficiency;trajectory design;resource optimization;iterative algorithm},

doi={10.1109/TWC.2020.3029225}}

@ARTICLE{TFL,

author={Lim, Wei Yang Bryan and Huang, Jianqiang and Xiong, Zehui and Kang, Jiawen and Niyato, Dusit and Hua, Xian-Sheng and Leung, Cyril and Miao, Chunyan},

journal={{IEEE Transactions} on {Intelligent Transportation Systems}},

title={{Towards} {f}{e}{d}{e}{r}{a}{t}{e}{d} {l}{e}{a}{r}{n}{i}{n}{g} {i}{n} {{U}{A}{V}-{E}{n}{a}{b}{l}{e}{d} {I}{n}{t}{e}{r}{n}{e}{t}} {o}{f} {{v}{e}{h}{i}{c}{l}{e}{s}}: {{a} {m}{u}{l}{t}{i}-{d}{i}{m}{e}{n}{s}{i}{o}{n}{a}{l} {c}{o}{n}{t}{r}{a}{c}{t}-{m}{a}{t}{c}{h}{i}{n}{g} {a}{p}{p}{r}{o}{a}{c}{h}}

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year={2021},

volume={22},

number={8},

pages={5140-5154},

doi={10.1109/TITS.2021.3056341}}

@article{胡益恺智能车辆决策方法研究综述,

author = {胡益恺, 王春香, 杨明},

title = {智能车辆决策方法研究综述},

publisher = {上海交通大学学报},

year = {2021},

journal = {上海交通大学学报},

volume = {55},

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pages = {1035},

keywords = {;智能车辆;决策方法;决策评估方法;数据集},

url = {https://xuebao.sjtu.edu.cn/CN/abstract/article\_43420.shtml},

doi = {10.16183/j.cnki.jsjtu.2020.387}}

@ARTICLE{RAI,

author={Liu, Zhixin and Su, Jiawei and Xie, Yuan-ai and Ma, Kai and Yang, Yi and Guan, Xinping},

journal={IEEE Transactions on Vehicular Technology},

title={{Resource} {a}{l}{l}{o}{c}{a}{t}{i}{o}{n} {i}{n} {{D}2{D} {e}{n}{a}{b}{l}{e}{d} {v}{e}{h}{i}{c}{u}{l}{a}{r} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s}: {a} {r}{o}{b}{u}{s}{t} {s}{t}{a}{c}{k}{e}{l}{b}{e}{r}{g} {g}{a}{m}{e} {a}{p}{p}{r}{o}{a}{c}{h} {b}{a}{s}{e}{d}} {o}{n} {{p}{r}{i}{c}{e}-{p}{e}{n}{a}{l}{t}{y} {m}{e}{c}{h}{a}{n}{i}{s}{m}}

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year={2021},

volume={70},

number={8},

pages={8186-8200},

doi={10.1109/TVT.2021.3093900}}

@article{GT,

ISSN = {00129682, 14680262},

URL = {http://www.jstor.org/stable/1909543},

journal = {Econometrica},

number = {3/4},

publisher = {[Wiley, Econometric Society]},

title = {Back matter},

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volume = {36},

year = {1968}}

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author={Ren, Yi and Liu, Fuqiang and Liu, Zhi and Wang, Chao and Ji, Yusheng},

journal={IEEE Transactions on Vehicular Technology},

title={{Power} {c}{o}{n}{t}{r}{o}{l} {i}{n} {{D}2{D}-{B}{a}{s}{e}{d} {v}{e}{h}{i}{c}{u}{l}{a}{r} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n} {n}{e}{t}{w}{o}{r}{k}{s}}

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year={2015},

volume={64},

number={12},

pages={5547-5562},

doi={10.1109/TVT.2015.2487365}}

@ARTICLE{ACAR,

author={Zhou, Zhenyu and Guo, Yufei and He, Yanhua and Zhao, Xiongwen and Bazzi, Wael M.},

journal={IEEE Transactions on Industrial Informatics},

title={{Access} {c}{o}{n}{t}{r}{o}{l} {a}{n}{d} {{r}{e}{s}{o}{u}{r}{c}{e} {a}{l}{l}{o}{c}{a}{t}{i}{o}{n}} {f}{o}{r} {{M}2{M} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s}} {i}{n} {{i}{n}{d}{u}{s}{t}{r}{i}{a}{l} {a}{u}{t}{o}{m}{a}{t}{i}{o}{n}}

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year={2019},

volume={15},

number={5},

pages={3093-3103},

doi={10.1109/TII.2019.2903100}}

@mastersthesis{基于车辆边缘计算的任务卸载策略研究,

author = {王小进},

title = {基于车辆边缘计算的任务卸载策略研究},

school = {南京邮电大学},

year = {2023}}

@ARTICLE{SurveyMEC2017,

author={Mao, Yuyi and You, Changsheng and Zhang, Jun and Huang, Kaibin and Letaief, Khaled B.},

journal={IEEE Communications Surveys \& Tutorials},

title={A {s}{u}{r}{v}{e}{y} {o}{n} {m}{o}{b}{i}{l}{e} {e}{d}{g}{e} {c}{o}{m}{p}{u}{t}{i}{n}{g}: {t}{h}{e} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n} {p}{e}{r}{s}{p}{e}{c}{t}{i}{v}{e}

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year={2017},

volume={19},

number={4},

pages={2322-2358},

keywords={Cloud computing;Edge computing;5G mobile communication;Mobile computing;Wireless communication;Mobile edge computing;fog computing;mobile cloud computing;computation offloading;resource management;green computing},

doi={10.1109/COMST.2017.2745201}}

@ARTICLE{SurveyMEC2018,

author={Abbas, Nasir and Zhang, Yan and Taherkordi, Amir and Skeie, Tor},

journal={IEEE Internet of Things Journal},

title={Mobile {e}{d}{g}{e} {c}{o}{m}{p}{u}{t}{i}{n}{g}: {a} {s}{u}{r}{v}{e}{y}

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year={2018},

volume={5},

number={1},

pages={450-465},

keywords={Mobile communication;Cloud computing;Edge computing;Mobile computing;Radio access networks;Servers;Internet of Things;Fog computing;Internet of Things (IoT);mobile cloud computing (MCC);mobile edge computing (MEC)},

doi={10.1109/JIOT.2017.2750180}}

@ARTICLE{DistributedTask2024,

author={Li, Ziqi and Zhang, Heli and Li, Xi and Ji, Hong and Leung, Victor C.M.},

journal={IEEE Transactions on Vehicular Technology},

title={Distributed {t}{a}{s}{k} {s}{c}{h}{e}{d}{u}{l}{i}{n}{g} {f}{o}{r} {{M}{E}{C}-{A}{s}{s}{i}{s}{t}{e}{d}} {v}{i}{r}{t}{u}{a}{l} {r}{e}{a}{l}{i}{t}{y}: {a} {{f}{u}{l}{l}{y}-{c}{o}{o}{p}{e}{r}{a}{t}{i}{v}{e}} {{m}{u}{l}{t}{i}-{a}{g}{e}{n}{t}} {p}{e}{r}{s}{p}{e}{c}{t}{i}{v}{e}

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year={2024},

volume={},

number={},

pages={1-15},

keywords={Task analysis;Servers;Peer-to-peer computing;Rendering (computer graphics);Processor scheduling;Wireless communication;Optimization;6G;virtual reality;multi-access edge computing;distributed collaboration;multi-agent PPO},

doi={10.1109/TVT.2024.3365476}}

@Article{Qian2023,

AUTHOR = {Liu, Qian and Gong, Junquan and Liu, Qilie},

TITLE = {{Blockchain-assisted} {r}{e}{p}{u}{t}{a}{t}{i}{o}{n} {m}{a}{n}{a}{g}{e}{m}{e}{n}{t} {s}{c}{h}{e}{m}{e} {f}{o}{r} {i}{n}{t}{e}{r}{n}{e}{t} {o}{f} {v}{e}{h}{i}{c}{l}{e}{s}

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JOURNAL = {Sensors},

VOLUME = {23},

YEAR = {2023},

NUMBER = {10},

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%URL = {https://www.mdpi.com/1424-8220/23/10/4624},

PubMedID = {37430536},

ISSN = {1424-8220},

DOI = {10.3390/s23104624}}

@MASTERSTHESIS{曹宇慧车载边缘计算环境下任务协同卸载方法研究,

author={曹宇慧},

title={车载边缘计算环境下任务协同卸载方法研究},

school={重庆交通大学},

year={2023},

type={硕士},

address = { },

month={6},

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language = {Chinese}}

@ARTICLE{云计算隐私10418975,

author={Zhang, Yin and Xiong, Ling and Li, Fagen and Hao, Yukai and Liu, Zhicai},

journal={IEEE Internet of Things Journal},

title={{Blockchain-based} {{p}{r}{i}{v}{a}{c}{y}-{p}{r}{e}{s}{e}{r}{v}{i}{n}{g}} {a}{u}{t}{h}{e}{n}{t}{i}{c}{a}{t}{i}{o}{n} {w}{i}{t}{h} {h}{i}{e}{r}{a}{r}{c}{h}{i}{c}{a}{l} {a}{c}{c}{e}{s}{s} {c}{o}{n}{t}{r}{o}{l} {u}{s}{i}{n}{g} {p}{o}{l}{y}{n}{o}{m}{i}{a}{l} {c}{o}{m}{m}{i}{t}{m}{e}{n}{t} {f}{o}{r} {m}{o}{b}{i}{l}{e} {c}{l}{o}{u}{d} {c}{o}{m}{p}{u}{t}{i}{n}{g}

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year={2024},

volume={},

number={},

pages={1-1},

keywords={Authentication;Blockchains;Access control;Security;Privacy;Cloud computing;Internet of Things;Blockchain;privacy;authentication;access control},

doi={10.1109/JIOT.2024.3361506}}

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author={Kim, Taejoon and Love, David J. and Clerckx, Bruno},

journal={IEEE Transactions on Signal Processing},

title={{Does frequent low resolution feedback outperform infrequent high resolution feedback} for {multiple antenna beamforming systems?}},

year={2011},

volume={59},

number={4},

pages={1654-1669},

doi={10.1109/TSP.2010.2099222}}

@article{Sakr2014,

author = {Sakr, Ahmed and Hossain, Ekram},

year = {2014},

month = {05},

pages = {1867-1880},

title = {Cognitive {a}{n}{d} {{e}{n}{e}{r}{g}{y} {h}{a}{r}{v}{e}{s}{t}{i}{n}{g}-{b}{a}{s}{e}{d}} {{D}2{D} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}} {i}{n} {c}{e}{l}{l}{u}{l}{a}{r} {n}{e}{t}{w}{o}{r}{k}{s}: {s}{t}{o}{c}{h}{a}{s}{t}{i}{c} {g}{e}{o}{m}{e}{t}{r}{y} {m}{o}{d}{e}{l}{i}{n}{g} {a}{n}{d} {a}{n}{a}{l}{y}{s}{i}{s}

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volume = {63},

journal = {IEEE Transactions on Communications},

doi = {10.1109/TCOMM.2015.2411266}}

@ARTICLE{Guo2019,

author={Guo, Chongtao and Liang, Le and Li, Geoffrey Ye},

journal={IEEE Transactions on Vehicular Technology},

title={Resource {a}{l}{l}{o}{c}{a}{t}{i}{o}{n} {f}{o}{r} {h}{i}{g}{h}-{r}{e}{l}{i}{a}{b}{i}{l}{i}{t}{y} {l}{o}{w}-{l}{a}{t}{e}{n}{c}{y} {v}{e}{h}{i}{c}{u}{l}{a}{r} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s} {w}{i}{t}{h} {p}{a}{c}{k}{e}{t} {r}{e}{t}{r}{a}{n}{s}{m}{i}{s}{s}{i}{o}{n}

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year={2019},

volume={68},

number={7},

pages={6219-6230},

doi={10.1109/TVT.2019.2919181}}

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author={Zhang, Ke and Mao, Yuming and Leng, Supeng and He, Yejun and ZHANG, Yan},

journal={IEEE Vehicular Technology Magazine},

title={{Mobile-edge} {c}{o}{m}{p}{u}{t}{i}{n}{g} {f}{o}{r} {{v}{e}{h}{i}{c}{u}{l}{a}{r} {n}{e}{t}{w}{o}{r}{k}{s}: {a} {p}{r}{o}{m}{i}{s}{i}{n}{g} {n}{e}{t}{w}{o}{r}{k} {p}{a}{r}{a}{d}{i}{g}{m}} {w}{i}{t}{h} {{p}{r}{e}{d}{i}{c}{t}{i}{v}{e}} {{o}{f}{f}-{l}{o}{a}{d}{i}{n}{g}}

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year={2017},

volume={12},

number={2},

pages={36-44},

doi={10.1109/MVT.2017.2668838}}

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author={Saleem, Umber and Liu, Yu and Jangsher, Sobia and Li, Yong and Jiang, Tao},

journal={IEEE Transactions on Wireless Communications},

title={{Mobility-aware joint task scheduling} and {resource allocation} for {cooperative mobile edge computing}},

year={2021},

volume={20},

number={1},

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doi={10.1109/TWC.2020.3024538}}

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author={Chen, Xu and Jiao, Lei and Li, Wenzhong and Fu, Xiaoming},

journal={IEEE/ACM Transactions on Networking},

title={Efficient {{m}{u}{l}{t}{i}-{u}{s}{e}{r}} {c}{o}{m}{p}{u}{t}{a}{t}{i}{o}{n} {o}{f}{f}{l}{o}{a}{d}{i}{n}{g} {f}{o}{r} {{m}{o}{b}{i}{l}{e}-{e}{d}{g}{e}} {c}{l}{o}{u}{d} {c}{o}{m}{p}{u}{t}{i}{n}{g}

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year={2016},

volume={24},

number={5},

pages={2795-2808},

doi={10.1109/TNET.2015.2487344}}

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author={Khuwaja, Aziz Altaf and Chen, Yunfei and Zheng, Gan},

journal={IEEE Wireless Communications Letters},

title={Effect {o}{f} {u}{s}{e}{r} {m}{o}{b}{i}{l}{i}{t}{y} {a}{n}{d} {c}{h}{a}{n}{n}{e}{l} {f}{a}{d}{i}{n}{g} {o}{n} {t}{h}{e} {o}{u}{t}{a}{g}{e} {p}{e}{r}{f}{o}{r}{m}{a}{n}{c}{e} {o}{f} {{U}{A}{V}} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s}

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year={2020},

volume={9},

number={3},

pages={367-370},

keywords={Fading channels;Probabilistic logic;Unmanned aerial vehicles;Numerical models;Analytical models;Signal to noise ratio;Wireless communication;Co-channel interference;Nakagami-m fading;outage probability;random waypoint model;UAV communications},

doi={10.1109/LWC.2019.2955444}}

@ARTICLE{Performance2022,

author={Zhao, Zhongyuan and Xu, Guanjun and Zhang, Ning and Zhang, Qinyu},

journal={IEEE Transactions on Vehicular Technology},

title={Performance {a}{n}{a}{l}{y}{s}{i}{s} {o}{f} {t}{h}{e} {h}{y}{b}{r}{i}{d} {s}{a}{t}{e}{l}{l}{i}{t}{e}-{t}{e}{r}{r}{e}{s}{t}{r}{i}{a}{l} {r}{e}{l}{a}{y} {n}{e}{t}{w}{o}{r}{k} {w}{i}{t}{h} {o}{p}{p}{o}{r}{t}{u}{n}{i}{s}{t}{i}{c} {s}{c}{h}{e}{d}{u}{l}{i}{n}{g} {o}{v}{e}{r} {g}{e}{n}{e}{r}{a}{l}{i}{z}{e}{d} {f}{a}{d}{i}{n}{g} {c}{h}{a}{n}{n}{e}{l}{s}

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year={2022},

volume={71},

number={3},

pages={2914-2924},

keywords={Relays;Protocols;Signal to noise ratio;System performance;Probability;Power system reliability;Fading channels;Hybrid satellite-terrestrial relay network;amplify-and-forward protocol;opportunistic scheduling;ergodic capacity;average symbol error rate},

doi={10.1109/TVT.2021.3139885}}

@ARTICLE{WirelessRelay5937283,

author={Zhan, Pengcheng and Yu, Kai and Swindlehurst, A. Lee},

journal={IEEE Transactions on Aerospace and Electronic Systems},

title={Wireless {r}{e}{l}{a}{y} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s} {w}{i}{t}{h} {u}{n}{m}{a}{n}{n}{e}{d} {a}{e}{r}{i}{a}{l} {v}{e}{h}{i}{c}{l}{e}{s}: {p}{e}{r}{f}{o}{r}{m}{a}{n}{c}{e} {a}{n}{d} {o}{p}{t}{i}{m}{i}{z}{a}{t}{i}{o}{n}

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year={2011},

volume={47},

number={3},

pages={2068-2085},

keywords={Relays;Modulation;Signal to noise ratio;Correlation;Optimization;Wireless communication;Closed-form solution},

doi={10.1109/TAES.2011.5937283}}

@article{无人机技术辅助的车联网,

author = {方宇杰 and 李萌 and 司鹏搏 and 杨睿哲 and 孙恩昌 and 张延华},

title = {无人机技术辅助的车联网:发展与展望},

journal = {高技术通讯},

volume = {32},

number = 1262-1272,

year = {2022},

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doi ={}}

@mastersthesis{王智煊2023无人机辅助下的车联边缘计算卸载机制研究,

author={王智煊},

title={无人机辅助下的车联边缘计算卸载机制研究},

school={电子科技大学},

year={2023},

type={硕士论文},

month={},}

@ARTICLE{Joint9453853,

author={Do-Duy, Tan and Nguyen, Long D. and Duong, Trung Q. and Khosravirad, Saeed R. and Claussen, Holger},

journal={IEEE Journal on Selected Areas in Communications},

title={Joint {o}{p}{t}{i}{m}{i}{s}{a}{t}{i}{o}{n} {o}{f} {{r}{e}{a}{l}-{t}{i}{m}{e}} {d}{e}{p}{l}{o}{y}{m}{e}{n}{t} {a}{n}{d} {r}{e}{s}{o}{u}{r}{c}{e} {a}{l}{l}{o}{c}{a}{t}{i}{o}{n} {f}{o}{r} {{U}{A}{V}-{A}{i}{d}{e}{d}} {d}{i}{s}{a}{s}{t}{e}{r} {e}{m}{e}{r}{g}{e}{n}{c}{y} {c}{o}{m}{m}{u}{n}{i}{c}{a}{t}{i}{o}{n}{s}

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year={2021},

volume={39},

number={11},

pages={3411-3424},

keywords={Resource management;Relays;Real-time systems;Quality of service;Optimization;Trajectory;Unmanned aerial vehicles;UAV cellular communication;K-means clustering;convex optimisation;embedded programming;disaster communication},

doi={10.1109/JSAC.2021.3088662}}

@ARTICLE{无人机QoS9373692,

author={Zhang, Rongqing and Lu, Rui and Cheng, Xiang and Wang, Ning and Yang, Liuqing},

journal={IEEE Transactions on Communications},

title={A {{U}{A}{V}-{E}{n}{a}{b}{l}{e}{d}} {d}{a}{t}{a} {d}{i}{s}{s}{e}{m}{i}{n}{a}{t}{i}{o}{n} {p}{r}{o}{t}{o}{c}{o}{l} {w}{i}{t}{h} {p}{r}{o}{a}{c}{t}{i}{v}{e} {c}{a}{c}{h}{i}{n}{g} {a}{n}{d} {f}{i}{l}{e} {s}{h}{a}{r}{i}{n}{g} {i}{n} {{V}2{X}} {n}{e}{t}{w}{o}{r}{k}{s}

},

year={2021},

volume={69},

number={6},

pages={3930-3942},

keywords={Data dissemination;Vehicle-to-everything;Protocols;Land vehicles;Wireless communication;Vehicular ad hoc networks;Throughput;UAV;data dissemination;V2X networks;proactive caching;file sharing},

doi={10.1109/TCOMM.2021.3064569}}

@ARTICLE{twoway7091030,

author={Liu, Fang and Chen, Zhiyong and Xia, Bin},

journal={IEEE Transactions on Vehicular Technology},

title={Data {d}{i}{s}{s}{e}{m}{i}{n}{a}{t}{i}{o}{n} {w}{i}{t}{h} {n}{e}{t}{w}{o}{r}{k} {c}{o}{d}{i}{n}{g} {i}{n} {{t}{w}{o}-{w}{a}{y}} {{v}{e}{h}{i}{c}{l}{e}-{t}{o}-{v}{e}{h}{i}{c}{l}{e}} {n}{e}{t}{w}{o}{r}{k}{s}

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year={2016},

volume={65},

number={4},

pages={2445-2456},

keywords={Vehicles;Network coding;Roads;Broadcasting;Random variables;Encoding;Mathematical model;Vehicle-to-Vehicle;Data Dissemination;Network Coding;Two-Way Road;Vehicular Ad Hoc Networks;Data dissemination;network coding;two-way road;vehicle-to-vehicle (V2V);vehicular ad hoc networks (VANETs)},

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number={5},

pages={2314-2325},}

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year={2014},

volume={15},

number={1},

pages={122-135},

keywords={Vehicles;Vehicular ad hoc networks;Delays;Australia;Wireless communication;Roads;Information propagation speed (IPS);intelligent transport system;mobile ad hoc network;vehicular ad hoc network (VANET)},

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author={Wu, Hao and Fujimoto, Richard M. and Riley, George F. and Hunter, Michael},

journal={IEEE Transactions on Vehicular Technology},

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year={2009},

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number={1},

pages={420-431},

keywords={Vehicles;Telecommunication traffic;Traffic control;Mobile communication;Ad hoc networks;Intelligent transportation systems;Intelligent networks;Intelligent sensors;Buildings;Analytical models;Ad hoc network;intelligent transportation systems (ITSs);renewal reward process;vehicle to vehicle (v2v);Ad hoc network;ITS;renewal reward process;v2v},

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title = {A {r}{e}{a}{l}-{t}{i}{m}{e} {c}{o}{m}{p}{u}{t}{e}{r} {v}{i}{s}{i}{o}{n} {s}{y}{s}{t}{e}{m} {f}{o}{r} {v}{e}{h}{i}{c}{l}{e} {t}{r}{a}{c}{k}{i}{n}{g} {a}{n}{d} {t}{r}{a}{f}{f}{i}{c} {s}{u}{r}{v}{e}{i}{l}{l}{a}{n}{c}{e}

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issn = {0968-090X},

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author = {Benjamin Coifman and David Beymer and Philip McLauchlan and Jitendra Malik},

keywords = {Traffic surveillance, Wide-area detection, Vehicle tracking, Video image processing, Machine vision},

abstract = {Increasing congestion on freeways and problems associated with existing detectors have spawned an interest in new vehicle detection technologies such as video image processing. Existing commercial image processing systems work well in free-flowing traffic, but the systems have difficulties with congestion, shadows and lighting transitions. These problems stem from vehicles partially occluding one another and the fact that vehicles appear differently under various lighting conditions. We are developing a feature-based tracking system for detecting vehicles under these challenging conditions. Instead of tracking entire vehicles, vehicle features are tracked to make the system robust to partial occlusion. The system is fully functional under changing lighting conditions because the most salient features at the given moment are tracked. After the features exit the tracking region, they are grouped into discrete vehicles using a common motion constraint. The groups represent individual vehicle trajectories which can be used to measure traditional traffic parameters as well as new metrics suitable for improved automated surveillance. This paper describes the issues associated with feature based tracking, presents the real-time implementation of a prototype system, and the performance of the system on a large data set. ©}}

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year={2022},

volume={71},

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pages={639-652},

keywords={Protocols;Relay networks (telecommunication);Trajectory;Optimization;Resource management;Wireless communication;Quality of service;Resource optimization;two-way relay;time-slots pairing relay strategy;UAV mobile communication},

doi={10.1109/TVT.2021.3130603}}