

HANG QIU

Assistant Professor
Electrical and Computer Engineering
Computer Science and Engineering
University of California, Riverside
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RESEARCH INTERESTS

Collaborative Autonomous Systems, Cyber-physical Systems, Systems for ML, Edge ML, 3D Sensing, Cooperative Perception, Mapping and Localization, Mobile Computing, Wireless Networking.

APPOINTMENTS

University of California, Riverside , <i>Riverside, CA, USA</i> <i>Assistant Professor, Department of ECE and CSE</i>	2023 ~ pres.
Waymo , <i>Bellevue, WA, USA</i> <i>Software Engineer, Perception</i>	2022 ~ 2023
Stanford University , <i>Stanford, CA, USA</i> <i>Postdoctoral Scholar, Department of Electrical Engineering</i>	2021 ~ 2022
Waymo , <i>Mountain View, CA, USA</i> <i>Intern, Perception</i>	2021
Microsoft Research , <i>Redmond, WA, USA</i> <i>Research Intern, Contractor, Mobility and Networking Group</i>	2017 ~ 2019
IBM Research , <i>Yorktown Heights, NY, USA</i> <i>Research Intern, T.J. Watson Research Center</i>	2015

EDUCATION

Ph.D. <i>Electrical and Computer Engineering</i> <i>University of Southern California, Los Angeles, USA</i> <i>Dissertation: Networked Cooperative Perception: Towards Robust and Efficient Autonomous Driving</i>	2020
M.S. <i>Computer Science</i> <i>University of Southern California, Los Angeles, USA</i>	2020
B.S. <i>Electronic Engineering</i> <i>Shanghai Jiao Tong University, Shanghai, China</i> <i>Thesis: Distributed Channel-Assignment and Throughput Control in Multi-Radio Multi-Channel Wireless Network</i>	2013

HONORS AND AWARDS

SoCal OASIS™ IFA Award , <i>Medium, UCR</i>	2025
SoCal OASIS™ IFA Award , <i>Small, UCR</i>	2024
Outstanding Paper Award , <i>MLSys 2022, Santa Clara, USA</i>	2022

Outstanding Research Assistant Award, USC	2021
Qualcomm Innovation Fellowship, Finalist, San Diego, USA	2019
Best Paper Award, Runner-up, ACM Mobisys 2018, Munich, Germany	2018
Viterbi Graduate Student Annenberg Fellowship, USC	2013 ~ 2017
Outstanding Winner, Interdisciplinary Contest in Modeling (ICM), USA	2012
National Fellowship (Top 1%), China	2010, 2011, 2012
First-Class (Top 1%) Academic Excellence Fellowship, Shanghai Jiao Tong University	2010, 2011, 2012
Academic Star (Top 1%), Shanghai Jiao Tong University	2012

PUBLICATION

Refereed Publication | * Equal contribution / advising

- [1] [CATS: A Framework for Cooperative Autonomy Trust & Security](#)
Namo Asavisanu, Tina Khezresmaeilzadeh, Rohan Sequeira, **Hang Qiu**, Fawad Ahmad, Konstantinos Psounis, and Ramesh Govindan
IEEE Transactions on Vehicular Technology (TVT). 2025
- [2] [SEE-V2X: C-V2X Direct Communication Dataset: An Application-Centric Approach](#)
Ruoshen Mo, Bo Wu, Zhaowei Tan*, and **Hang Qiu***
Proceedings of the 23rd ACM Conference on Embedded Networked Sensor Systems (SenSys '25), 2025
- [3] [CMP: Cooperative Motion Prediction with Multi-Agent Communication](#)
Zehao Wang, Yuping Wang, Zhuoyuan Wu, Hengbo Ma, Zhaowei Li, **Hang Qiu***, and Jiachen Li*
IEEE Robotics and Automation Letters (RA-L). 2025
- [4] [Pillar Attention Encoder for Adaptive Cooperative Perception](#)
Zhengwei Bai, Guoyuan Wu, Matthew J. Barth, **Hang Qiu**, Yongkang Liu, Emrah Akin Sisbot, and Kentaro Oguchi
IEEE Internet of Things Journal (IOT-J). 2024
- [5] [WOMD-LiDAR: Raw Sensor Dataset Benchmark for Motion Forecasting](#)
Kan Chen, Runzhou Ge, **Hang Qiu**, Rami Ai-Rfou, Charles R. Qi, Xuanyu Zhou, Zoey Yang, Scott Ettinger, Pei Sun, Zhaoqi Leng, Mustafa Mustafa, Ivan Bogun, Weiyue Wang, Mingxing Tan, and Dragomir Anguelov
Proceedings of 2024 IEEE International Conference on Robotics and Automation (ICRA '24), 2024
- [6] [ReplayAR: A Tool for Visual Evaluation of Mixed Reality](#)
Zijian Huang, Cary Shu, **Hang Qiu**, and Jiasi Chen
Proceedings of the 30th Annual International Conference on Mobile Computing and Networking, Immersive Computing Workshop (ACM MobiCom '24, ImmerCom Workshop), 2024
- [7] [Embodied Understanding of Driving Scenarios](#)
Yunsong Zhou, Linyan Huang, Qingwen Bu, Jia Zeng, Tianyu Li, **Hang Qiu**, Hongzi Zhu, Minyi Guo, Yu Qiao, and Hongyang Li
Proceedings of The 18th European Conference on Computer Vision (ECCV '24), 2024
- [8] [Boosting Collaborative Vehicular Perception on the Edge with Vehicle-to-Vehicle Communication](#)
Ruiyang Zhu, Xiao Zhu, Anlan Zhang, Xumiao Zhang, Jiachen Sun, Feng Qian, **Hang Qiu**, Z. Morley Mao, and Myungjin Lee
Proceedings of the 22nd ACM Conference on Embedded Networked Sensor Systems (SenSys '24), 2024

- [9] [MCAL: Minimum Cost Human-Machine Active Labeling](#)
Hang Qiu, Krishna Chintalapudi, and Ramesh Govindan
Proceedings of the Eleventh International Conference on Learning Representations (ICLR '23), 2023
- [10] [AutoCast: Scalable Infrastructure-less Cooperative Perception for Distributed Collaborative Driving](#)
Hang Qiu, Pohan Huang, Namu Asavisanu, Xiaochen Liu, Konstantinos Psounis, and Ramesh Govindan
Proceedings of the 20th Annual International Conference on Mobile Systems, Applications, and Services (MobiSys '22), 2022
- [11] [Coopernaut: End-to-End Driving with Cooperative Perception for Networked Vehicles](#)
Hang Qiu*, Jiaxun Cui*, Dian Chen, Peter Stone, and Yuke Zhu
Proceedings of the IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR '22), 2022
- [12] [ML-EXray: Visibility into ML Deployment on the Edge](#)
Hang Qiu, Ioanna Vavelidou, Jian Li, Evgenya Pergament, Pete Warden, Sandeep Chinchali, Zain Asgar, and Sachin Katti
Proceedings of Machine Learning and Systems (MLSys '22), 2022 - *Outstanding Paper Award*
- [13] [Sensing the Sensor: Estimating Camera Properties with Minimal Information](#)
Pradipta Ghosh, Xiaochen Liu, **Hang Qiu**, Marcos A. M. Vieira, Gaurav S. Sukhatme, and Ramesh Govindan
ACM Transactions on Sensor Networks (TOSN '22). 2022
- [14] [Optimal Resource Allocation for Crowdsourced Image Processing](#)
Kristina Sorensen Wheatman, Fidan Mehmeti, Mark Mahon, **Hang Qiu**, Kevin S. Chan, and Thomas F. La Porta
IEEE Transactions on Mobile Computing (TMC '22). 2022
- [15] [CarMap: Fast 3D Feature Map Updates for Automobiles](#)
Fawad Ahmad, **Hang Qiu**, Ray Eells, Fan Bai, and Ramesh Govindan
Proceedings of the 17th Symposium on Networked Systems Design and Implementation (NSDI '20), 2020
- [16] [FedML: A Research Library and Benchmark for Federated Machine Learning](#)
Chaoyang He, Songze Li, Jinhyun So, Mi Zhang, Hongyi Wang, Xiaoyang Wang, Praneeth Vepakomma, Abhishek Singh, **Hang Qiu**, Li Shen, et al.
Proceedings of the 34th Conference on Neural Information Processing Systems (NeurIPS '20), Workshop on Scalability, Privacy, and Security in Federated Learning (NeurIPS '20-SpicyFL), 2020 - *Best Paper Award*
- [17] [Optimal Resource Allocation for Crowdsourced Image Processing](#)
Kristina Sorensen Wheatman, Fidan Mehmeti, Mark Mahon, **Hang Qiu**, Kevin Chan, and Thomas La Porta
Proceedings of the 17th Annual IEEE International Conference on Sensing, Communication, and Networking (SECON '20), 2020
- [18] [On Tracking Realistic Targets in a Megacity with Contested Air and Spectrum Access](#)
Jongdeog Lee, Tarek Abdelzaher, **Hang Qiu**, Ramesh Govindan, Kelvin Marcus, Reginald Hobbs, Niranjani Suri, and Will Dron
Proceedings of the 37th Military Communications Conference (MILCOM '18), 2018

- [19] [AVR: Augmented Vehicular Reality](#)
Hang Qiu, Fawad Ahmad, Fan Bai, Marco Gruteser, and Ramesh Govindan
Proceedings of the 16th Annual International Conference on Mobile Systems, Applications, and Services (MobiSys '18), 2018 - Best Paper Runner-up Award
- [20] [Kestrel: Video analytics for augmented multi-camera vehicle tracking](#)
Hang Qiu, Xiaochen Liu, Swati Rallapalli, Archith J Bency, Kevin Chan, Rahul Urgaonkar, BS Manjunath, and Ramesh Govindan
Proceedings of the 3rd IEEE/ACM International Conference on Internet-of-Things Design and Implementation (IoTDI '18), 2018
- [21] [Augmented Vehicular Reality: Enabling Extended Vision for Future Vehicles](#)
Hang Qiu, Fawad Ahmad, Ramesh Govindan, Marco Gruteser, Fan Bai, and Gorkem Kar
Proceedings of the 18th International Workshop on Mobile Computing Systems and Applications (HotMobile '17), 2017
- [22] [Towards Robust Vehicular Context Sensing](#)
Hang Qiu, Jinzhu Chen, Shubham Jain, Yurong Jiang, Matt McCartney, Gorkem Kar, Fan Bai, Donald K Grimm, Marco Gruteser, and Ramesh Govindan
IEEE Transactions on Vehicular Technology (TVT). 2017
- [23] [High-Rate WiFi Broadcasting in Crowded Scenarios via Lightweight Coordination of Multiple Access Points](#)
Hang Qiu, Konstantinos Psounis, Giuseppe Caire, Keith M. Chugg, and Kaidong Wang
Proceedings of the 17th ACM International Symposium on Mobile Ad Hoc Networking and Computing (MobiHoc '16), 2016
- [24] [CARLOC: Precise Positioning of Automobiles](#)
Yurong Jiang, **Hang Qiu**, Matthew McCartney, Gaurav Sukhatme, Marco Gruteser, Fan Bai, Donald Grimm, and Ramesh Govindan
Proceedings of the 13th ACM Conference on Embedded Networked Sensor Systems (SenSys '15), 2015
- [25] [CARLOG: A Platform for Flexible and Efficient Automotive Sensing](#)
Yurong Jiang, **Hang Qiu**, Matthew McCartney, William G. J. Halfond, Fan Bai, Donald Grimm, and Ramesh Govindan
Proceedings of the 12th ACM Conference on Embedded Network Sensor Systems (SenSys '14), 2014

Technical Reports

- [1] [On Localizing a Camera from a Single Image](#)
Pradipta Ghosh, Xiaochen Liu, **Hang Qiu**, Marcos AM Vieira, Gaurav S Sukhatme, and Ramesh Govindan
ArXiv, 2020
- [2] [Satyam: Democratizing Groundtruth for Machine Vision](#)
Hang Qiu, Krishna Chintalapudi, and Ramesh Govindan
Integrated into Microsoft Azure ML. Used by UCSB, USC, UIUC, ARL., 2018
Featured in Microsoft Ignite 2019
- [3] [Flexible and Efficient Sensor Fusion for Automotive Apps](#)

Yurong Jiang, **Hang Qiu**, Matthew McCartney, William GJ Halfond, Fan Bai, Donald Grimm, and Ramesh Govindan
Citeseer, 2013

PATENTS

- [1] [Method and Apparatus for a Context-aware Crowd-sourced Sparse High Definition Map](#)
Fawad Ahmad, **Hang Qiu**, Ramesh Govindan, Donald K Grimm, and Fan Bai
- *Worldwide Patent*: US20200278217 / CN111638536 / DE102020102725
- [2] [Crowd-sensed Point Cloud Map](#)
Fawad Ahmad, **Hang Qiu**, Fan Bai, and Ramesh Govindan
- *Worldwide Patent*: US20190266748 / CN110186467 / DE102019104482
- [3] [Method and Apparatus of Networked Scene Rendering and Augmentation in Vehicular Environments in Autonomous Driving Systems](#)
Hang Qiu, Ramesh Govindan, Marco Gruteser, and Fan Bai
- *Worldwide Patent*: US20180261095 / CN108574929 / DE102018105293
- [4] [Energy-efficient Cooperative Sensing Schedule for Heterogeneous Users in Cognitive Radio Network](#)
Xin Huang, Xinxin Feng, **Hang Qiu**, Gaofei Sun, Xiaohua Tian, Feng Yang, and Xinbing Wang
- *Patent*: CN102905381
- [5] [Greedy Channel-allocation in Multi-radio Multi-channel Multi-hop Wireless Network](#)
Hang Qiu, Xin Huang, Qi Shi, Xinbing Wang, and Jun Tian
- *Patent*: CN103634846
- [6] [Automatic Line-tracking Floor Waxing Machine](#)
Hang Qiu and Xin Huang
- *Patent*: CN202458213

TEACHING

Instructor, University of California, Riverside CS 135: Virtual/Augmented Reality	Spring 2025
Instructor, University of California, Riverside CS/EE 131: Edge Computing	Winter 2025
Instructor, University of California, Riverside EE 260B: Introduction to Self-driving Stack	Fall 2024
Instructor, University of California, Riverside EE 260C: Introduction to Self-driving Stack	Spring 2024
Instructor, University of California, Riverside CS/EE 131: Edge Computing	Winter 2024

Co-instructor, Stanford University <i>EE 292D: ML on Embedded Systems, Co-Instructor: S.Katti, Z.Asgar, P.Warden</i>	<i>Fall 2021</i>
Teaching Assistant, University of Southern California <i>ECE 597: Wireless Networks, Instructor: B. Krishnamachari</i>	<i>Spring 2020</i>
Guest Lecturer, University of Southern California <i>ECE 597: Wireless Networks, Instructor: K. Psounis</i>	<i>Spring 2020</i>
Panelist, University of Southern California <i>CSCI 697: Seminar in Computer Science Research, Instructor: L. Golubchik</i>	<i>Spring 2019</i>
Teaching Assistant, University of Southern California <i>CSCI 551: Computer Communications, Instructor: R. Govindan</i>	<i>Fall 2017</i>
Guest Lecturer, University of Southern California <i>ECE 597: Wireless Networks, Instructor: K. Psounis</i>	<i>Spring 2015</i>

SERVICES

Organizing Committee

Sponsor Chair, ACM Conference on Embedded Network Sensor Systems, *Sensys'25*
Poster Chair, International Conference on Mobile Systems, Applications, and Services, *Mobisys'25*
Local Chair, International Workshop on Mobile Computing Systems and Applications, *HotMobile'25*
Co-organizer, SoCal Robotics Symposium, *SCR'24*
Session Chair, ACM International Conference on Mobile Systems, Applications, and Services, *MobiSys'24*
Session Chair, IEEE Conference on Computer Communications, *INFOCOM'24*
Co-chair, Workshop on Adaptive AIoT Systems, *ACM Mobisys '24*
Co-organizer, Workshop on Foundation Models for Autonomous Systems, *CVPR '24*
Chair, Tutorial on 3D sensing for autonomous robots and smart infrastructure, *IEEE SmartComp '21*

Technical Program Committee

USENIX Symposium on Networked Systems Design and Implementation (*NSDI'25*)
ACM International Conference on Mobile Computing and Networking (*MobiCom'25*)
ACM International Conference on Mobile Systems, Applications, and Services (*MobiSys'25*)
ACM Conference on Embedded Network Sensor Systems (*Sensys'25*)
USENIX Symposium on Vehicle Security and Privacy (*VehicleSec'25*)
IEEE Conference on Computer Communications (*INFOCOM'25*)
ACM International Conference on Mobile Systems, Applications, and Services (*MobiSys'24*)
NDSS Symposium on Vehicle Security and Privacy (*NDSS VehicleSec'24*)
IEEE Conference on Computer Communications (*INFOCOM'24*)
ACM International Conference on Mobile Systems, Applications, and Services (*MobiSys'23*)
IEEE International Conference on Parallel and Distributed Systems (*ICPADS'22*)

Grant Reviewer

Editorial Board

Guest Editor, *IEEE Vehicular Technology Magazine, VTM*

Standardization

Member, *IEEE Standard Association, Autonomous Agent Alignment Working Group*

2024 ~ pres.

Conference Reviewer

USENIX Symposium on Networked Systems Design and Implementation (*NSDI*)

ACM International Conference on Mobile Systems, Applications, and Services (*MobiSys*)

IEEE/CVF Computer Vision and Pattern Recognition Conference (*CVPR*)

IEEE/CVF International Conference on Computer Vision (*ICCV*)

Conference on Robotic Learning (*CoRL*)

IEEE International Conference on Robotics and Automation (*ICRA*)

AAAI Conference on Artificial Intelligence (*AAAI*)

IEEE Conference on Computer Communications (*INFOCOM*)

ACM International Conference on Measurement and Modeling of Computer Systems (*SIGMETRICS*)

International Conference for High Performance Computing, Networking, Storage, and Analysis (*SC*)

ACM/IEEE Symposium on Edge Computing (*SEC*)

Usenix Symposium on Vehicle Security and Privacy (*VehicleSec*)

ACM International Conference on Information Processing in Sensor Networks (*IPSN*)

IEEE International Conference on Sensing, Communication and Networking (*SECON*)

IEEE Vehicular Networking Conference (*VNC*)

IEEE International Conference on Parallel and Distributed Systems (*ICPADS*)

Journal Reviewer

IEEE Transactions on Networking (*TON*)

IEEE Network Magazine

IEEE Journal on Selected Areas in Communications (*JSAC*)

IEEE Transactions on Vehicular Technology (*TVT*)

IEEE Robotics and Automation Letters (*RA-L*)

IEEE Transactions on Mobile Computing (*TMC*)

IEEE Access

IEEE Transactions on Cloud Computing (*TCC*)

Department and University Committee

University Librarian Search Committee

2025

ECE Colloquium Committee

2024 ~ pres.

Mobility MS Program Founding Committee

2024 ~ 2025

Outreach Program

Mentor, *UCR R'STEM Find Your Research Match Program*

2024 ~ pres.

Advisor, *DOE EcoCar EV Challenge*

2023 ~ pres.

Team Host, *STEM Academy Robotics Challenge*

2024

Advisor, *DOT Intersection Safety Challenge*

2024

ADVISING AND MENTORSHIP

University of California, Riverside

2023 ~pres.

Ph.D. Advisor

Justin Yue, <i>Computer Science Engineering</i>	Fall 2024~pres.
Ruoshen Mo, <i>Computer Science Engineering, co-advised with Zhaowei Tan</i>	Fall 2024~pres.
Shilpa Mukhopadhyay, <i>Computer Science Engineering, co-advised with Amit Roy Chowdhury</i>	Fall 2024~pres.
Janice Nguyen, <i>Electrical and Computer Engineering</i>	Fall 2023~pres.
Bo Wu, <i>Electrical and Computer Engineering</i>	Fall 2023~pres.

Master's Advisor

Shir-Kang Scott Jin, <i>Computer Science Engineering</i>	Fall 2024~pres.
Divyank Shah, <i>Computer Science Engineering</i>	Fall 2023~pres.
Kiran Kumar, <i>Computer Science Engineering</i>	Fall 2023~Winter 2025
Parth Shinde, <i>Computer Engineering</i>	Fall 2024~Winter 2025
Adhith Karthikeyan, <i>Computer Science Engineering</i>	Fall 2023~Winter 2025
Zhaoze Sun, <i>Electrical and Computer Engineering</i>	Fall 2023~Spring 2024
Harish Kulasekaran, <i>Computer Science Engineering</i>	Fall 2023~Spring 2024
Haoge Zhou, <i>Electrical and Computer Engineering</i>	Fall 2023~Spring 2024

Undergraduate Advisor

Ajay Anubolu, <i>Data Science</i>	Winter 2025~pres.
Jonathan Setiabudi, <i>Computer Science Engineering</i>	Fall 2024~pres.
Athena Nelson, <i>Computer Science Engineering</i>	Fall 2024~pres.
Marcus Hsieh, <i>Robotics</i>	Winter 2024~pres.
Amber Lin, <i>Robotics</i>	Winter 2024~pres.
Jerry Li, <i>Computer Science Engineering</i>	Fall 2023~pres.
Alex Totah, <i>Electrical and Computer Engineering</i>	Fall 2023~pres.
Purab Balani, <i>Electrical and Computer Engineering</i>	Fall 2023~Spring 2024
Minjun Song, <i>Electrical and Computer Engineering</i>	Fall 2023~Spring 2024
Joseph Spracklen, <i>Electrical and Computer Engineering</i>	Fall 2023~Spring 2024

Visiting Scholar Advisor

Jinjie Liu, <i>MS, USC, Electrical and Computer Engineering</i>	Fall 2023~Winter 2025
Ayoub Elazami Elidrissi, <i>MS, INSA Hauts-de-France, Computer Science Engineering</i>	Summer 2024
Yanyu Zhang, <i>PhD, UCR, Electrical and Computer Engineering</i>	Fall 2023~Winter 2025

Doctoral Committee Member

Hongmiao Yu, <i>Computer Science Engineering, Advisor: K.K. Ramakrishnan</i>	Fall 2023~pres.
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Master's Thesis & Project Committee Member

Harshith Mohan Kumar, <i>Computer Science Engineering, Advisor: Vishwanath Saragadam</i>	Winter 2025
Danhua Zhao, <i>Computer Science Engineering, Advisor: Zhaowei Tan</i>	Winter 2025
Zeyu Li, <i>Computer Science Engineering, Advisor: Zhaowei Tan</i>	Winter 2025

Stanford University	2021 ~2022
Jiaxun Cui (PhD): <i>Collaborative Autonomous Driving (CVPR '22)</i>	2020~2022.
Ioanna Vavelidou (PhD): <i>Edge ML Monitoring and Debugging (MLSys '22)</i>	Fall 2021

University of Southern California	2013 ~2020
Namo Asavisanu (PhD): <i>Scalable Cooperative Perception (Mobisys '22)</i>	2020~2020
Fawad Ahmad (PhD): <i>Fast 3D Feature Map Updates for Automobiles (NSDI '20)</i>	2016~2020
Ray Eells (BS): <i>Autonomous Vehicle Control using Extended Vision</i>	2018~2020
Meghraj Bendre (MS): <i>Understanding Computer Vision Robustness under Seasonal Changes</i>	Summer 2018
Jens Windau (PhD): <i>Human Pose and Gesture Monitoring using Wearable Sensors</i>	Fall 2016
Bhavana Srinivas (MS): <i>Improving Campus WiFi Service</i>	Fall 2014

INVITED TALKS

Towards Networked Cooperative Autonomy	
RAISE AI Center, University of California, Riverside, USA	Nov 2024
University of North Dakota, Grand Forks, USA, Virtual	Nov 2024
California State Polytechnic University, Pomona, USA	Oct 2024
Beijing Jiao Tong University, Beijing, China	Sep 2024
University of Science and Technology Beijing, Beijing, China	Sep 2024
Shanghai Jiao Tong University, Shanghai, China	Sep 2024
Shanghai University, Shanghai, China	Sep 2024
Shandong University, Qingdao, China	Sep 2024
DS-PATH program, University of California, Riverside, USA	Aug 2024

Scene Understanding beyond the Visible	
ECE Colloquium, University of California, Los Angeles, USA	Mar 2024
International Workshop on Trustworthy Autonomous CPS, San Diego, USA	Jan 2024
Center for Environmental Research and Technology, Riverside, USA	Dec 2023
ECE Colloquium, University of California, Riverside, USA	Oct 2023
International Conference on ICT Convergence (ICTC), Jeju Island, Korea, Virtual	Oct 2023
International Conference on Learning Representations (ICLR), Kigali, Rwanda, Virtual	May 2023

MCAL: Minimum-Cost Human Machine Active Labeling	
International Conference on Learning Representations (ICLR), Kigali, Rwanda, Virtual	May 2023

ML-EXray: Visibility into ML Deployment on the Edge	
University of California, San Diego, California, USA	Sep 2022
MLSys Conference, Santa Clara, USA	Aug 2022

University of California, Irvine, California, USA *Mar 2022*

Stanford University, Stanford, California, USA *Feb 2022*

AutoCast: Scalable Infrastructure-less Cooperative Perception for Distributed Collaborative Driving

IEEE MFI, 1st Cooperative Perception Workshop, Virtual *Sep 2022*

ACM Mobisys, Portland, USA *Jun 2022*

Towards Ultra-reliable Cooperative Autonomous Systems

Center for Robotics and Intelligent Systems, Riverside, USA *Oct 2023*

Meta, Reality Lab, Menlo Park, Virtual *Apr 2022*

University of California, Riverside, California, USA *Mar 2022*

Yale University, Virtual *Feb 2022*

University of California, San Diego, Virtual *Feb 2022*

University of California, Irvine, Virtual *Apr 2020*

Duke University, Virtual *Mar 2020*

3D Sensing for Autonomous Robots and Smart Infrastructure

IEEE SmartComp Tutorial, Virtual *Aug 2021*

AVR: Augmented Vehicular Reality

Intel's Autonomous Driving CoP Workshop, Santa Clara, California, USA *Oct 2018*

Semiconductor Research Corporation (SRC), TechCon, Austin, Texas, USA *Sep 2018*

John Hopcroft Center, Shanghai Jiao Tong University, Shanghai, China *Jun 2018*

ACM Mobisys, Munich, Germany *Jun 2018*

CONIX Research Center Workshop, San Diego, California, USA *Jan 2018*

ACM HotMobile, Sonoma, California, USA *Feb 2017*

Kestrel: Video Analytics for Augmented Multi-Camera Vehicle Tracking

ACM/IEEE IoTDI, Orlando, Florida, USA *Apr 2018*

High-Rate WiFi Broadcasting in Crowded Scenarios via Lightweight Coordination of Multiple APs

ACM MobiHoc, Paderborn, Germany *Jul 2016*