
IEEE VTS Distinguish Lecture

Edge Intelligence for Internet of Things

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Being Warmly Invited by IEEE VTS NEW ZEALAND North Chapter

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Abstract:

In this talk, we will first present the key concepts and main principles related to edge intelligence, i.e., the synergy between edge computing and AI. Then, we mainly focus on deep reinforcement learning for addressing key challenges in 5G beyond networks and Internet of Vehicles. In such contexts, we will present our recent studies and results related to content distribution and caching, resource management & optimization, and task offloading problems. We will also point out several open research questions for further study.

Biography:



Yan Zhang is a Full Professor at the Department of Informatics, University of Oslo, Norway. He received a Ph.D. degree in School of Electrical & Electronics Engineering, Nanyang Technological University, Singapore. His current research interests include: 5G Beyond/6G, Internet of Things (e.g., transport, smart grid). His works in these areas have received more than 17000+ citations and H-index 70. He is an editor of 10 IEEE Transactions/Magazines: IEEE Communications Magazine;

IEEE Network Magazine; IEEE Communications Surveys & Tutorials; IEEE Transactions on Industrial Informatics; IEEE Transactions on Vehicular Technology; IEEE Transactions on Green Communications and Networking; IEEE Internet of Things Journal; IEEE Systems Journal; IEEE Vehicular Technology Magazine and IEEE Blockchain Technical Briefs. He is IEEE VTS (Vehicular Technology Society) Distinguished Lecturer and CCF 2019 Distinguished Speaker. He serves as the Chair of IEEE ComSoc TCGCC (Technical Committee on Green Communications & Computing). He is an elected member of CCF Technical Committee on Blockchain. He is a member of IEEE VTS Fellowship and Scholarship Committee. He received the award Clarivate Analysis “Highly Cited Researcher” in 2019 and 2018. He is Fellow of IEEE, Fellow of Norwegian Academy of Technological Sciences (NTVA), and Fellow of IET.