2021 Scott Helt Memorial Award

For the best paper published in the

IEEE Transactions on Broadcasting

The 2021 Scott Helt Memorial Award was awarded to Peng Yu, Fanqin Zhou, Xiang Zhang, Xuesong Qiu, Michel Kadoch, Mohamed Cheriet for their paper, “Deep Learning-Based Resource Allocation for 5G Broadband TV Service”. The papers appeared in the IEEE Transactions on Broadcasting, vol. 66, no. 4, pp. 800-813, December 2020. The purpose of the IEEE Scott Helt Memorial Award is to recognize exceptional publications in the field and to stimulate interest in and encourage contributions to the fields of interest of the Society.

Peng Yu received his B.Eng. and Ph.D. degrees from Beijing University of Posts and Telecommu nications (BUPT) in 2008 and 2013 respectively. He is an as-sociate professor at present in State Key Laboratory of Networking and Switching Technology, BUPT. His research interests are auton omic management and hybrid energy allocation in GreenNet.

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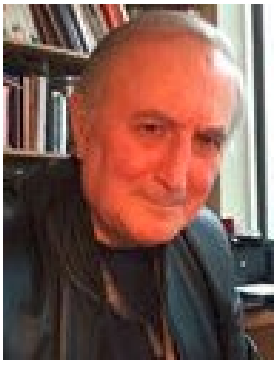
Beijing University of Posts and Telecommunications. He has authored about 100 SCI/EI index papers. He presides over a series of key research projects on network and service management, including the projects supported by the National Natural Science Foundation and the National HighTech Research and Development Program of China..



Michel Kadoch Ph.D (S86, M91, SM 04) is full professor at Ecole de technologie superieure, University of Quebec in Montreal. He obtained the Ph.D. degree from Concordia University in 1992. He is the author of the book Protocoles et réseaux locaux : Accès à Internet (PUQ Press 2012) and co-author of many other books. He has established the research lab LAGRIT: Laboratoire de gestion informatique et de telecommunication which performs research on data communication networking. His current work stems from 5G, SON, NFV, LTE, HetNet, WMN, resource allocation to performance analysis. He served as TPC and editor He also holds the position of director of the Master of engineering program since 2001. He is supervising Post doctorates, Ph.D. and master students as well as undergraduate students working in the lab. He is a senior member of IEEE since 2004.

Mohamed Cheriet received his M.Sc. and Ph.D. degrees in Computer Science from the University of Pierre & Marie Curie (Paris VI) in 1985 and 1988 respectively. Since 1992, he has been a professor in the Systems Engineering department at the University of Quebec - École de Technologie Supérieure (ÉTS), Montreal, and was appointed full Professor there in 1998. Prof. Cheriet is the founder and director of Synchromedia Laboratory for multimedia communication in telepresence applications, since 1998. Dr. Cheriet research has extensive experience in cloud computing and network virtualization and softwarisation. In addition, Dr. Cheriet is an expert in Computational Intelligence, Pattern Recognition, Machine Learning, Artificial Intelligence and Perception. Dr. Cheriet has published more than 450 technical papers in the field. He serves on the editorial boards of several renowned journals and international conferences. As Tier 1 Canada Research Chair on Sustainable and Smart Eco-Cloud, he leads the establishment of the first smart university campus in Canada, created as a hub for innovation and productivity at Montreal. Dr. Cheriet is the General Director of the FRQNT Strategic Cluster on the operationalization of sustainability development, CIRODD (2019-2025). Dr. Cheriet is a 2016 Fellow of the International Association of Pattern Recognition (IAPR), a 2017 Fellow of the Canadian Academy of Engineering (CAE), and a 2018 Fellow of the Engineering Institute of Canada (EIC). Dr. Cheriet is the recipient of the 2016 IEEE J.M. Ham Outstanding Engineering Educator Award, the ÉTS Research Excellence prize in 2013, for his outstanding contribution in green ICT, cloud computing, and big data analytics research areas, and of the 2012 Queen Elizabeth II Diamond Jubilee Medal. He is a senior member of the IEEE, the founder and former Chair of the IEEE Montreal Chapter of Computational Intelligent Systems (CIS), and a Steering Committee Member of the IEEE Green ICT Initiative and the Chair of ICT Emissions Working Group.