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Biography:

Qianchuan Zhao (M'06–SM'08) received the B.E. degree in automatic control, the B.S. degree in applied mathematics, and the M.S. and Ph.D. degrees in control theory and its applications from Tsinghua University, Beijing, China, in 1992 and 1996, respectively. He was a Visiting Scholar at Carnegie Mellon University, Pittsburgh, PA, USA, and Harvard University, Cambridge, MA, USA, in 2000 and 2002, respectively. He was a Visiting Professor at Cornell University, Ithaca, NY, USA, in 2006. He is currently a Professor and an Associate Director of the Department of Automation, Center for Intelligent and Networked Systems, Tsinghua University. He has authored over 80 research papers in peer-reviewed journals and conferences. His research interests include control and optimization of complex networked systems with applications in smart buildings, smart grid, and manufacturing automation. He is an Associate Editor of the Journal of Optimization Theory and Applications and the IEEE TRANSACTIONS ON CONTROL OF NETWORK SYSTEMS. He was an Associate Editor of the IEEE TRANSACTIONS ON AUTOMATION SCIENCE AND ENGINEERING. He serves as the Chair of the Technical Committee on smart buildings of the IEEE Robotics and Automation Society. He was the recipient of the China National Nature Science Award for the project Optimization Theory and Optimization for Discrete Event Dynamic System in 2009.

Education:

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Selected Publication:

Wang, Fulin, et al. "Predictive Control of Indoor Environment Using Occupant Number Detected by Video Data and CO 2 Concentration." *Energy and Buildings* (2017).

Zhao, Qianchuan. "Research opportunities arising from control and optimization of smart buildings." *Control Theory and Technology* 15.1 (2017): 78-80.