

PUBLICATION LIST

Journals:

1. **Yehan Ma**, Chenyang Lu, Bruno Sinopoli, and Shen Zeng. “Exploring Edge Computing for Multi-Tier Industrial Control.” *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems (TCAD)*, *Special Issue on ESWEEK 2020 - Proceedings of ACM International Conference on Embedded Software (EMSOFT)*, (2020), **accepted**.
2. **Yehan Ma**, Chenyang Lu and Yebin Wang, “Efficient Holistic Control: Self-Awareness across Controllers and Wireless Networks.” *ACM Transactions on Cyber-Physical Systems (TCPS)* 4, no. 4 (2020): 41.
3. **Yehan Ma**, Dolvara Gunatilaka, Bo Li, Humberto Gonzalez, and Chenyang Lu. “Holistic cyber-physical management for dependable wireless control systems.” *ACM Transactions on Cyber-Physical Systems (TCPS)* 3, no. 1 (2018): 3.
4. Jiayu Li, Haoran Li, **Yehan Ma**, Yang Wang, Ahmed A. Abokifa, Chenyang Lu, and Pratim Biswas. “Spatiotemporal distribution of indoor particulate matter concentration with a low-cost sensor network.” *Building and Environment* 127 (2018): 138-147.

Conferences:

5. **Yehan Ma**, Jianlin Guo, Yebin Wang, Ankush Chakrabarty, Heejin Ahn, Philip Orlik, and Chenyang Lu. “Optimal dynamic scheduling of wireless networked control systems.” In *Proceedings of the 10th ACM/IEEE International Conference on Cyber-Physical Systems (ICCPS 2019)*, pp. 77-86. ACM, 2019. (**acceptance rate: 23.0%**)
6. **Yehan Ma**, Yebin Wang, Stefano Di Cairano, Toshiaki Koike-Akino, Jianlin Guo, Philip Orlik, and Chenyang Lu. “A smart actuation architecture for wireless networked control systems.” In *2018 IEEE Conference on Decision and Control (CDC 18)*, pp. 1231-1237. IEEE, 2018.
7. **Yehan Ma**, and Chenyang Lu. “Efficient holistic control over industrial wireless sensor-actuator networks.” In *2018 IEEE International Conference on Industrial Internet (ICII 2018)*, pp. 89-98. IEEE, 2018. (**acceptance rate: 27.3%**)
8. Bo Li*, **Yehan Ma***, Tyler Westenbroek, Chengjie Wu, Humberto Gonzalez, and Chenyang Lu. “Wireless routing and control: a cyber-physical case study.” In *2016 ACM/IEEE 7th International Conference on Cyber-Physical Systems (ICCPS 16)*, pp. 1-10. IEEE, 2016. (**co-first-author**)(**acceptance rate: 27.8%**)
9. **Yehan Ma**, Mingxiang Ling, Changhong Wang, and Qingshuang Zeng. “Design and implementation of real-time simulation system of OTV based on xPC target and SIT.” In *Proceeding of the 11th World Congress on Intelligent Control and Automation (WCICA 14)*, pp. 5896-5900. IEEE, 2014.
10. An Zou, Hui Zhao, **Yehan Ma**, and Da Li. “Analysis calculation and testing of rotary inductosyn angle measuring errors.” In *Proceedings of the 33rd Chinese Control Conference (CCC 14)*, pp. 8091-8096. IEEE, 2014.

Patents:

11. Jianlin Guo, **Yehan Ma**, Yebin Wang, Ankush Chakrabarty, Heejin Ahn, Philip Orlik. “Network Adapted Control System.” In *United States Patent Application 20200218239*, 2020.
12. Yebin Wang, **Yehan Ma**, Philip Orlik, Toshiaki Koike-akino, Jianlin Guo. “Network Adapted Control System.” In *United States Patent Application 20200192336*, 2020.