

## SONIC: *System OptimizatioN, Intelligence & Control Laboratory, CUHK*

- Changhong Zhao, Assistant Professor
- Graduate students:
  - Bohang Fang, BS: UESTC, Chengdu. PhD 2021 –
  - Heng Liang, BE: Nanjing University. PhD 2021 –
  - Yujin Huang, BE: Tsinghua University. PhD 2023 –
  - Runjie Zhang, BS: HIT, Weihai. MPhil 2023 –
- Postdocs:
  - [Kaiping Qu](#), 2/2024 –
  - [Wanjun Huang](#), 11/2021 – 8/2022. Beihang University.
  - [Wei Lin](#), 8/2021 – 9/2022. University of Hong Kong, postdoc.
  - [Sidun Fang](#), 5/2020 – 8/2021. Chongqing University.
- Other research students:
  - Xinyi Chen, 11/2022 – 11/2023, RA, PhD student at Southeast University.
  - [Zexin Sun](#), 5/2022 – 8/2022, RA, PhD student at Boston University.
  - [Jinyan Su](#), 12/2021 – 5/2022, undergraduate. PhD student, Cornell University.
  - [Xiaojie Li](#), 9/2021 – 12/2021, undergraduate. PhD student, NTU, Singapore.
  - [Zhenyi Yuan](#), 6/2021 – 9/2021, RA, PhD student at UC San Diego.
  - [Tong Wu](#), 12/2019 – 5/2021, PhD with Angela Zhang. Cornell Tech, postdoc.
  - Chenxu Wang, 9/2019 – 7/2021, MSc/RA. PhD student, CityU Hong Kong.
  - Xinran Liu, 9/2019 – 5/2020, MSc IE, CUHK. China Southern Power Grid.

## Projects

- RGC General Research Fund, “[Joint optimization of distribution network topology and nonlinear power flow](#),” 1/2025 – 12/2027.
- RGC General Research Fund, “[Optimizing fast frequency response of distributed energy resources under distribution network constraints](#),” 1/2023 – 12/2025.
- RGC Early Career Scheme, “[Optimizing multiphase power flow via exact convex relaxation and distributed feedback design](#),” 1/2021 – 12/2023.