

SHUTING WU – CURRICULUM VITAE

CONTACT

Address: No.136, Jinshui East Road, Zhengzhou, Henan Province, P.R. China
Phone: (+86) 131 9371 5827
Email: X20241080775@stu.newu.edu.cn

EDUCATION

- **North China University of Water Resources and Electric Power, China** Aug.2024–Present
M.S, Mathematics, School of Mathematics and Statistics
- **Henan Academy of Science, China** Aug.2024–Present
HNAS Institute of Mathematics
- **Anyang Normal University, China** Sep.2019–Jun.2023
B.S, School of Mathematics and Applied Mathematics, School of Mathematics and Statistics
GPA: 3.31/4.00

RESEARCH INTERESTS

- Distributed Optimization
- Moving Horizon Estimation
- Estimation Theory

TECHNICAL SKILLS

- Programming & Numerical Computing: MATLAB
- Optimization Modeling & Solvers: CasADi, IPOPT

PUBLICATIONS

*: Corresponding author

†: Equal contribution

- **Shuting Wu**[†], Yifei Wang[†], Jingzhe Wang, Apostolos I. Rikos and Xu Du*
A Time Splitting Based Optimization Method for Nonlinear MHE
The 64th IEEE Conference on Decision and Control (CDC), Rio de Janeiro, Brazil, 2025
(accept)
- Yifei Wang, **Shuting Wu**, Genke Yang, Jian Chu, Apostolos I. Rikos and Xu Du*
ALADIN- β : A Distributed Optimization Algorithm for Solving MPCC Problems
The 64th IEEE Conference on Decision and Control (CDC), Rio de Janeiro, Brazil, 2025
(accept)
- Xu Du, **Shuting Wu**, Karl H. Johansson and Apostolos I. Rikos*
CADMM-Prox: A Bi-level Consensus ADMM for Non-smooth Non-convex Distributed Consensus Optimization
The 65th IEEE Conference on Decision and Control (CDC), Honolulu, Hawaii, USA, 2026 (under review)

- Xu Du, **Shuting Wu**, Karl H. Johansson and Apostolos I. Rikos*
A Global Convergence Analysis of Consensus ALADIN for Convex Optimization
IEEE Control Systems Letters (L-CSS), 2026 (under review)
- **Shuting Wu**, Jingzhe Wang, Apostolos I. Rikos, Karl H. Johansson and Xu Du*
Efficient Distributed ALADIN Algorithms for Nonlinear MHE via Time-Splitting
IEEE Transactions on Control of Network Systems (TCNS), 2026 (in preparation)

PROFESSIONAL SERVICE

TECHNICAL REVIEWER

- Selected international conferences: IEEE CDC

HONORS AND AWARDS

- Special Contribution Award Scholarship for Graduate Students, North China University of Water Resources and Electric Power, 2025
- Academic Scholarship, North China University of Water Resources and Electric Power, 2024 – 2025
- Merit Student, North China University of Water Resources and Electric Power, 2025
- Second Prize of Henan Province in National Collegiate Statistical Modeling Contest, 2025
- Second Prize of Henan Province in the National College Student Mathematics Competition, 2022
- Silver Medal in the “Challenge Cup” College Student Entrepreneurship Competition, Anyang Normal University, 2023
- Outstanding Graduate, Anyang Normal University, 2023
- Academic Scholarship, Anyang Normal University, 2021
- Merit Student, Anyang Normal University, 2020 – 2021
- Civilized Student, Anyang Normal University, 2019

REFEREES

- **Xu Du** M.S Supervisor
Postdoc Researcher
the Artificial Intelligence Thrust of the Information Hub, The Hong Kong University of Science and Technology (Guangzhou), Guangzhou, China
E-Mail: duxu@hnas.ac.cn
- **Mohammad Javad Habibi** M.S Supervisor
Assistant Researcher
Institute of Mathematics, Henan Academy of Science, Zhengzhou, China
E-Mail: mjhabibi@hnas.ac.cn
- **Xiaohui Li** Assistant Researcher
Institute of Mathematics, Henan Academy of Science, Zhengzhou, China
E-Mail: lixiaohui@hnas.ac.cn
- **Sania Asif** Assistant Researcher
Institute of Mathematics, Henan Academy of Science, Zhengzhou, China
E-Mail: 11835037@zju.edu.cn