



DING Shuo

 <https://scholar.google.com/citations?user=Wul05rEAAAAAJ&hl=zh-CN&oi=ao>

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 Date of Birth: May 12, 1991



Profile

DING Shuo is currently a Professor at the College of Mechanical and Electrical Engineering, Nanjing University of Aeronautics and Astronautics (NUAA). He has been selected for the National Major Talent Engineering Program (Class A) Youth Talent. His research focuses on intelligent robotics, including exoskeletons, soft robots and humanoid robots.

Education & Professional Experience

- **Nanjing University of Aeronautics and Astronautics (NUAA)**
Professor | Jul. 2024 – Present
 - **National University of Singapore (NUS), Biorobotics Lab**
Research Fellow | Feb. 2020 – May 2024; PI: Prof. YU Haoyong
 - **Zhejiang University (ZJU)**
Ph.D. in Mechatronic Engineering | Sep. 2013 – Dec. 2019; PI: Prof. YANG Huayong
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Selected Publications

1. Chang, T., Chen, B., Yu, Y., Yao, J., Liu, K., Ding, L., ... & **Ding, S[#]**. (2025). A novel underactuated mechanism to assist ankle joints in walking with a single series elastic actuator. *Mechanism and Machine Theory*, 215, 106165. (Corresponding Author)
 2. Yang H*, **Ding S***, Wang J*, *et al.* (2024). Computational design of ultra-robust strain sensors for soft robot perception and autonomy. *Nature Communications* 15(1):1636.
 3. **Ding S**, Narayan A, Anaya-Reyes F, *et al.* (2024). Design and Control of a Novel Active Shoulder Exoskeleton for Overhead Work Assistance. *IEEE/ASME Transactions on Mechatronics*.
 4. **Ding S**, Reyes F A, Bhattacharya S, *et al.* (2023). A Novel Back-support Exoskeleton with a Differential Series Elastic Actuator for Lifting Assistance. *IEEE Transactions on Robotics*.
 5. **Ding S**, Anaya-Reyes F, Narayan A, *et al.* (2023). A Lightweight Shoulder Exoskeleton with a Series Elastic Actuator for Assisting Overhead Work. *IEEE/ASME Transactions on Mechatronics*.
 6. **Ding S**, Reyes F A, Bhattacharya S, *et al.* (2023). A Novel Passive Back-support Exoskeleton with a Spring-cable-differential for Lifting Assistance. *IEEE Transactions on Neural Systems and Rehabilitation Engineering*.
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Professional Service

- **Guest Editor:** *Frontiers in Robotics and AI*
- **Youth Editorial Board Member:** *Journal of Zhejiang University-SCIENCE A; Biomimetic Intelligence and Robotics*
- **Session Chair:** 16th International Conference on Intelligent Robotics and Applications; 2025 IEEE/ASME International Conference on Advanced Intelligent Mechatronics
- **Reviewer:** *IEEE TRO, IEEE/ASME T-mech, IEEE TIE...*