NIU Xuezhi

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Education

- **Uppsala University** 2023
  Ph.D. Student Uppsala, Sweden
- **KTH Royal Institute of Technology** 2021-2023
  M.Sc. Mechatronics Stockholm, Sweden
- **City University of Hong Kong** 2017-2021
  B.Eng. Mechanical Engineering Hong Kong SAR, China

Research Interests

- Cyber-Physical Systems
- Reinforcement Learning
- Deep Learning Applications

Journal Publications

• Xu, Y., Niu, J., Xi, G., **Niu, X.**, Wang, Y., Guo, M., ... & Tian, J. (2018). TGF-β1 resulting in differential microRNA expression in bovine granulosa cells. *Gene*, 663, 88-100.

Conference Publications

• Tan, K., Ji, Q., Feng, L., & Törngren, M. (2023). Edge-enabled Adaptive Shape Estimation of 3D Printed Soft Actuators with Gaussian Processes and Unscented Kalman Filters. *IEEE Transactions on Industrial Electronics*.

Academic Activities

- Teaching assistant for master level courses at KTH (MF2007)

Awards & Achievements

- **CN patent Grant, City University of Hong Kong** *2020.9*
  "Novel high-load multi-component metal hydroxide with its synthesis method and application"
- **Talent Development Scholarship, Hong Kong SAR, China** *2020.6*
  Hong Kong Special Administrative Region Government
- **CN patent Grant, City University of Hong Kong** *2020.6*
  "A flexible battery assembly die and its structural design"
- **National Finals of the "Challenge Cup" Competition, Beijing, China** *2019.11*
  "A flexible battery assembly die and its structural design" Second prize
- **National Finals of "Internet +" Competition, Hangzhou, China** *2019.10*
  "A flexible battery assembly die and its structural design" Silver Prize
- **Finals of Winning in Greater Bay Area Entrepreneurship Competition, Guangzhou, China** *2019.7*
  "A flexible battery assembly die and its structural design" Silver Prize
- **Finals of HK University Student Innovation and Entrepreneurship Competition, HKSAR, China** *2019.4*
  "A flexible battery assembly die and its structural design" Second Prize