

A novel cable-driven upper limb exoskeleton with portability

Yansong Wang and Ahmad Zahedi

Robotics Institute, Shanghai Jiao Tong University, China

Dingguo Zhang

Department of Electronic and Electrical Engineering, University of Bath, UK

- Linkage design and fabrication inspired by Bamboo structure
- Low inertia in robotic arms achieved by cable-driven
- Merits of portable, lightweight, and remarkable strength
- Real-time embedded control structure based on RT-Linux and EtherCAT bus

