Jingde (Jade) Cong

Algorithm Engineer

SUMMARY

Jade hails from Xinyang city, Henan province. He has earned master degree from the Tiangong University. He works as a robot algorithm engineer for Conarobot Co.,Inc. While his work focuses on robotics and artificial intelligence, mostly working on robot motion control, motion planning, teleoperation and robot learning. And he aims to make robots more intelligent and agile with artificial intelligence.

: **No.4011, Shahe West Road, 518000, Shenzhen, Guangdong, China**

: **jade.cong@qq.com**

: **155xxxx5859**

: **https://jadecong.github.io/**

in : **Jingde Cong** (https://www.linkedin.com/in/jingde-cong-a1a85614b)

: **JadeCong26** (https://x.com/JadeCong26)

: **JadeCong** (https://github.com/JadeCong)

Experience

Nov 2021 – *present*

Robot Algorithm Engineer at Conarobot (http://www.robotactile.com/)

SUMMARY

Conarobot is a company based on tactile sensor and computer vision that are applied to massage robot and health care instruments.

- Construct the massage robot host controller
- Construct the platform for robot teleoperation with tactile perception
- Make a massage robot planning demo with ROS

Volunteer

at

Education

Sep 2014 – Mar 2017

Master in Mechanical Engineering from Tiangong University with GPA of 3.8

- Robotics
- Modern Control Theory

Languages

Chinese : ★★★

English : ★★½

Skills

Robotics : ★★★

ROS | ROS2 | OMPL | MuJoCo | Robosuite

AI : ★★★

DRL | PyTorch | Tensorflow | Agent

Metaverse : ★★★

Nvidia | Omniverse | Simulation

Interests

Basketball :

NBA | FIBA

Fishing :

Sea Fishing | Lake Fishing

Reading :

Masterpieces | Biographies

Awards

Mar 2012

National Inspirational Scholarship from Tianjin Ren'ai College

SUMMARY

Annual National Scholarship.

Publications

Mar 2018

Research on compensation for induced feedback force of Master-slave teleoperation robot system (http://tjgydx.scizazhi.com/) by Journal of Tianjin Polytechnic University

SUMMARY

This article proposes a force compensation method based on the master manipulator, which enables operator to accurately perceive the feedback force from the slave manipulator.

Jul 2020

Induced feedback force compensation strategy of master-slave minimal invasive surgical robotic system (http://tjgydx.scizazhi.com/) by Journal of Tiangong University

SUMMARY

Based on the master-manipulator's dynamic model, the strategy of the induced feedback force compensation was proposed and a teleoperation experiment was performed. The experimental results showed that the induced feedback force model proposed can well describe the actual induced feedback force.

References

Think and act, Win with respect~

— Jade Cong(Myself)