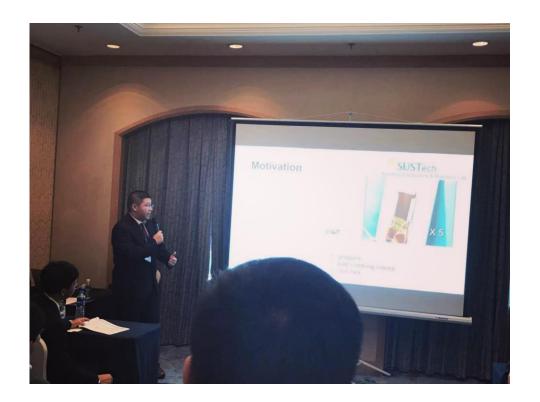
一个有意义的南科人——国家奖号金答辩



做事



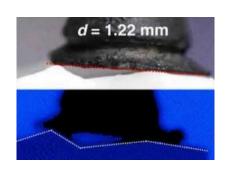
5

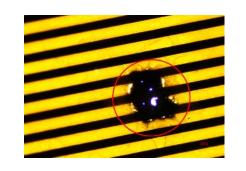


A Soft and Robust Electroadhesive Device









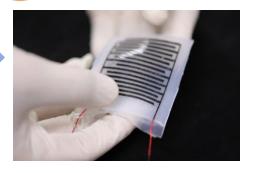
Problems: (in complex environment)

- 1) Low efficient
- 2) Easily damaged

electroadhesion

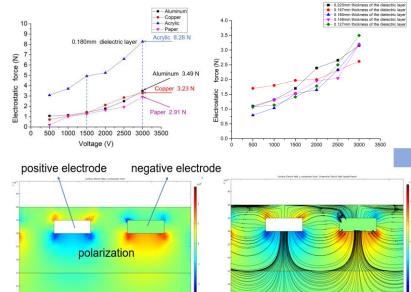


soft robot



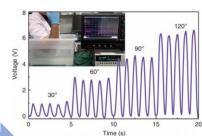
electroadhesion

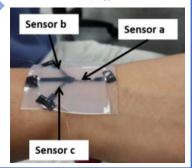
- anti-electromagnetic interference
- high energy density
- quick response and easy control



application

capacitance sensor





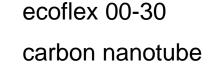
adaptability





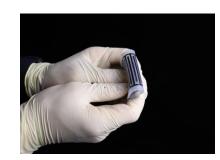
ultra-soft and stretchable

150% strain







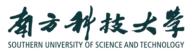






A Soft and Robust Electroadhesive Device



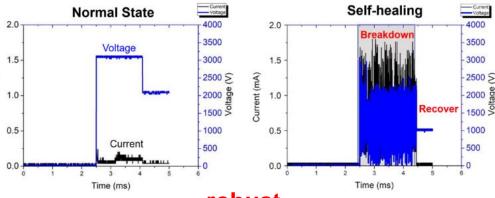


physical penetration



short-circuit







hash and complex

robust

self-healing

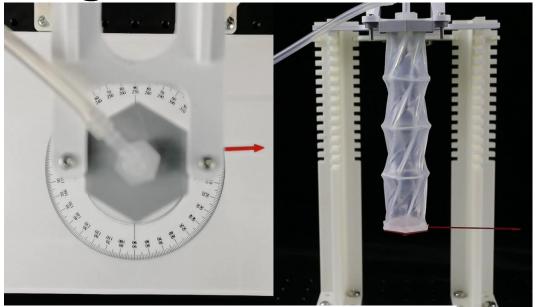


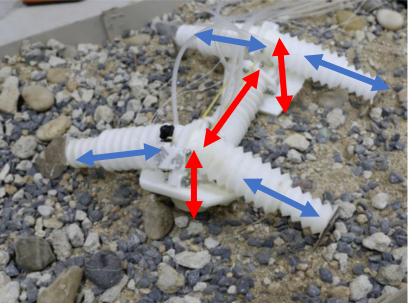
- 2019年7月到9月参与机器人研究院先进驱动与机器人实验室课题,并在哈尔滨工业大学主办的THE 7TH INTERNATIONAL CONFERENCE ON SMART MATERIALS AND NANOTECHNOLOGY IN ENGINEERING 会议上发表A stretchable, flexible, self-healing interdigitated electrode plate for electrostatic adhesion (oral presentation)
- 2020年11月,作为项目负责人主持的"可拉伸自修复软体静电吸附单元的工作原理与加工方法研究被评为"广东省科技创新战略专项资金"("攀登计划"专项资金)科技发明制作类数级项目



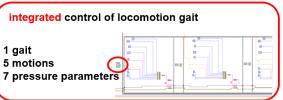
- 2021年4月,第十六届"挑战杯"广东大学生课外学术科技作品竞赛作为项目负责人主持的"可拉伸自修复软体静电吸附单元的工作机理研究"荣获自然科学类学术论文优秀奖
- 2021年6月,作为项目负责人主持的"软体静电吸附驱动器的自修复机制研究"被评为2021年度大学生创新创业训练计划图家级项目。

Origami Soft Pneumatic Actuating Robot









- 1) control pumps and valves
- 2) read instaneous pressure





forward friction







Locomotion Competition Winner



OSPAR Diancheng Li, Renjie Zhu, Yuxuan Liao, Songhao Huang, Shuyuan Wang, Hanwen Zhang, Yiming Zhang, Shangkun Guo, Ting Wang, Prof. Hongqiang Wang

This certificate is presented to the winners of the conference locomotion competition

2021 IEEE International Conference on Soft Robotics

General Chair of RoboSoft 2021

New Haven, Connecticut



Program Chair of RoboSoft 2021



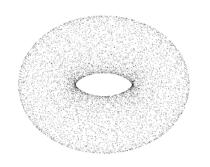


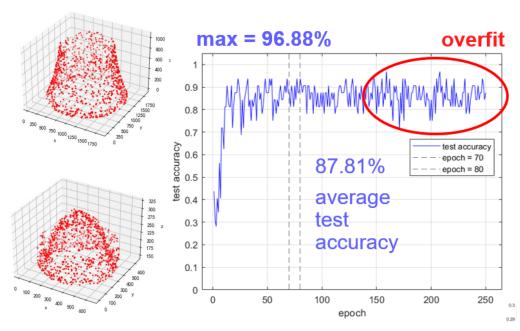


Deep Learning on Point Cloud of Aerospace Components for 3D Classification



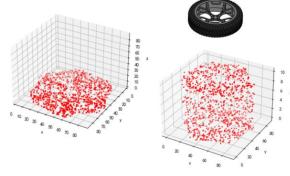
Point Cloud

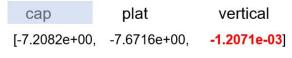


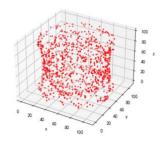


Manufacture





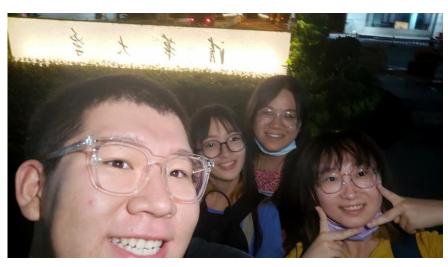












第四届南方科技大学机械与能源工程系课程。新有方科技大学

F究方向:精密加工技术、数字化 建模仿真优化、机械制造系统

可编程"无胞"静电吸附单元的研究与开发 特等奖





仿生扑翼飞行器

人工肌肉





力矩结构



静电抓手

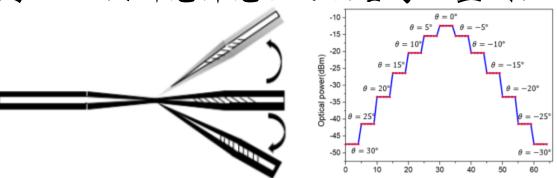


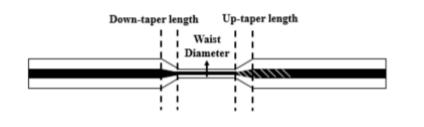






基于45°倾斜光纤光栅的头量弯曲监测仪(核级"大创")

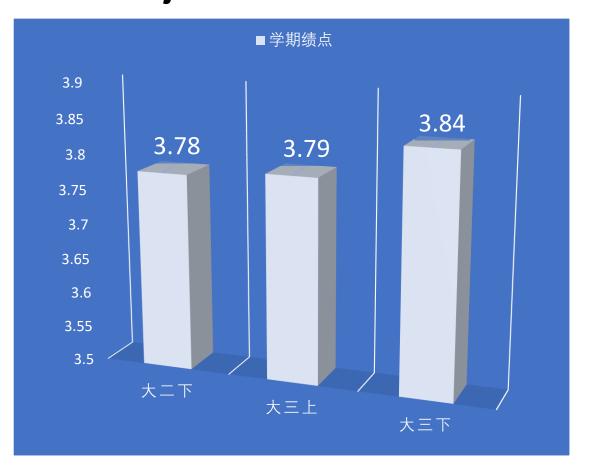








Major GPA 3.76 / 4.00



行走机器人	Α
微型机器人	Α
控制工程基础	Α
机器人建模与控制	Α
机械设计基础	A-
CAD与工程制图	A-
先进机器人驱动技术	A-



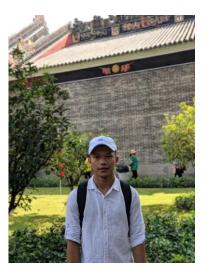












1803 班长

集体荣誉

















































人性的光辉



关于对徐俊源等20名同学的表扬通报

全体同学:

近期,书院涌现出一批好人好事,以实际行动弘扬了同学间互帮互助的精神,为表扬先进,特进行全院通报。

1月中旬,18级牛明辉同学受伤住院,临近寒假,18级徐俊源、肖兆祺、亚立坤疆·艾则孜、刘翰洋等4名同学前后结伴前往医院探望:

3月下旬,书院足球赛期间18级陈俊任、王庭哲、王一伊等3名同学陪同受伤的王澍原同学前往医院就医;18级张一同学主动陪同受伤的周俊雄同学前往医院就医,随后尹思源、张博涵、彭吉等3名同学前去探望伤情:

5月中旬,18级骆诗航、孙涛、王澍原、牛明辉、尹沛琪、陈俊任、徐俊源等7名同学分批次前往医院探望骑车摔伤的彭睿杰同学;

5月下旬,15级温智巍、刘晓玲等2名同学主动到医院陪护因手术住院的郑浩同学。

此外, 书院里还发生了很多感人的小故事, 很多同学在默默奉献。

"团结友爱,乐于助人"是中华民族的一种美德。"致新有爱,因你存在"一直是书院提倡的精神。从这些同学身上,我们看到了这种精神正在发扬光大,希望同学们以他们为榜样,将爱传递下去。

南方科技大学致新书院



人文关怀 路见不平, 被刀相助 挺身而出

致谢



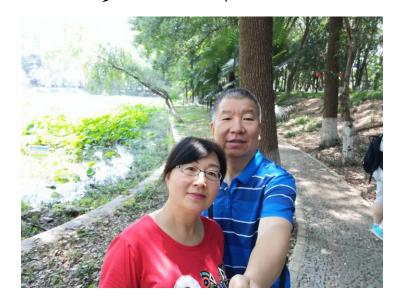


老师同学们

Wang group的所有成员 用尽心血呵护我成长的辅导老师

与我并肩作战一同夺冠的球队兄弟台下所有认真参与的评委老师和同学们









谢谢大家!