

Mr. Chengshuo Xia

Birth: 1994.08.15 **Nationality:** Chinese

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Research area: Human computer interaction, Sensor application

EDUCATION

2019.09 ~ Keio University (Postgraduate-Ph.D)

2019.06. Xidian University (Master), Controlling theory and controlling engineering,

2018.09. Loughborough University (Msc.), Electronic and electrical engineering

2016.06, Xi'an University of Technology (Bachelor), Automation.

PUBLICATIONS

Journal papers:

[2] Chengshuo Xia, Daxing Zhang, Witold Pedrycz, Yingmin Zhu and Yongxian Guo. Models for Microbial Fuel Cells: A critical review. Journal of Power Sources. 373(2018):119-131. (SCI:000418392000014; IF= 8.247).

[1] Chengshuo Xia, Daxing Zhang, Witold Pedrycz, Kangqi Fan and Yongxian Guo. Human Body Heat Based Thermoelectric Harvester with Ultra-Low Input Power Management System for Wireless Sensors Powering. Energies. 12.20(2019): 3942. (IF=2.702).

Conference papers:

[2] Chengshuo Xia, Yuta sugiura. Wearable Accelerometer Optimal Positions for Human Motion Recognition. IEEE 2nd Global Conference on Life Sciences and Technologies (LifeTech), Kyoto, 2020.

[1] Chengshuo Xia, Yuta sugiura. A Study of Wearable Accelerometers Layout for Human Activity Recognition. Asian CHI Symposium 2020. (Best paper award).

Poster and Extended Abstract:

[2] Chengshuo Xia. Optimal Sensor Position: Exploring the Interface Between the User and Sensor in Activity Recognition System. ACM CHI Extended Abstract. 2021. (to appear).

[1] Chengshuo Xia, Yuta Sugiura. From Virtual to Real World: Applying Animation to Design the Activity Recognition System. ACM CHI Extended Abstract. 2021. (to appear).

Domestic Conference (Japanese):

[1] 加藤花歩, Chengshuo Xia, 杉浦裕太. 顔画像情報を利用した運動識別システム. エンタテインメントコンピューティングシンポジウム 2020 論文集. (最優秀論文賞).

PROFESSIONAL EXPERIENCES

- 2019.9 ~ Japan Science and Technology Agency (JST) PRESTO Project, **Research Assistant**
- 2020.11 ~ 2021.3 National Institute of Advanced Industrial Science and Technology (AIST), **Research Intern**

ACADEMIC SERVICE

Reviewer:

IEEE Access: 2020

Micromachine: 2020

CHI: 2021 (Interactivity)

AWARDS

2020	EC2020. 最優秀論文賞
2020	Asian CHI Symposium. Best Paper Award
2018	Outstanding Postgraduate of Xidian University
2018	China National Scholarship for Postgraduate

2016
2015

Outstanding Graduate of XAUT
TI Cup, National Undergraduate Electronic Design Contest: The Third Prize

INVITED TALK

- 2021.03. The Application of Virtual Sensor with Human Activity Recognition in Human-Computer Interaction. (Chinese). IWHEC Human-Technology-Future, Forum.