

# BUZHEN HUANG

Ph.D. Student, Southeast University  
hbz@seu.edu.cn · [www.buzhenhuang.com](http://www.buzhenhuang.com)

## RESEARCH INTERESTS

**Fields:** Computer Vision, Computer Graphics  
**Topics:** Human Mesh Recovery, Motion Capture

## EDUCATION

<b>Southeast University</b> Ph.D. in Control Science and Engineering	Sep 2019 - present Advisor: Prof. Yangang Wang
<b>University of Pennsylvania</b> Visiting Student	Feb 2018 - Mar 2018
<b>Hangzhou Dianzi University</b> B.E. in Automation, rank: 3/152	Sep 2015 - Jun 2019 Advisor: Prof. Chenggang Yan and Prof. Yue Gao

## PUBLICATIONS

- [1] [Reconstructing Groups of People with Hypergraph Relational Reasoning](#)  
**Buzhen Huang**, Jingyi Ju, Zhihao Li and Yangang Wang  
*IEEE International Conference on Computer Vision (ICCV)*, 2023
- [2] [Physics-Guided Human Motion Capture with Pose Probability Modeling](#)  
Jingyi Ju\*, **Buzhen Huang\***, Chen Zhu, Zhihao Li and Yangang Wang (\*equal contribution)  
*International Joint Conferences on Artificial Intelligence (IJCAI)*, 2023
- [3] [Object-Occluded Human Shape and Pose Estimation with Probabilistic Latent Consistency](#)  
**Buzhen Huang\***, Tianshu Zhang\* and Yangang Wang (\*equal contribution)  
*IEEE Transactions on Pattern Analysis and Machine Intelligence (TPAMI)*, 2022
- [4] [Pose2UV: Single-shot Multi-person Mesh Recovery with Deep UV Prior](#)  
**Buzhen Huang\***, Tianshu Zhang\* and Yangang Wang (\*equal contribution)  
*IEEE Transactions on Image Processing (TIP)*, 2022
- [5] [Neural MoCon: Neural Motion Control for Physically Plausible Human Motion Capture](#)  
**Buzhen Huang**, Liang Pan, Yuan Yang, Jingyi Ju and Yangang Wang  
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2022
- [6] [Dynamic Multi-Person Mesh Recovery from Uncalibrated Multi-View Cameras](#)  
**Buzhen Huang**, Yuan Shu, Tianshu Zhang and Yangang Wang  
*International Conference on 3D Vision (3DV)*, 2021
- [7] [Object-Occluded Human Shape and Pose Estimation from a Single Color Image](#)  
Tianshu Zhang\*, **Buzhen Huang\***, Yangang Wang (\*equal contribution)  
*IEEE Conference on Computer Vision and Pattern Recognition (CVPR)*, 2020 (Oral Presentation)
- [8] [A Flower Classification Framework Based on Ensemble of CNNs](#)  
**Buzhen Huang**, Youpeng Hu, Yaoqi Sun, Xinhong Hao, Chenggang Yan  
*Pacific-Rim Conference on Multimedia (PCM)*, 2018

## AWARDS & HONORS

First Place Winner in 2022 GigaCrowd Challenge	2022
National Scholarship	2022
SEU Doctoral Entrance Scholarship	2022
Style3D Graduate Fellowship (1 of 10 in China)	2022
Excellent Graduate of Zhejiang Province	2019
National Scholarship	2017
First Prize in Provincial Undergraduate Electronic Design Contest	2017

## PROFESSIONAL SERVICE

**Conference Reviewer:** NeurIPS, CVPR, ICCV, ECCV, IJCAI, ACM MM, CICA  
**Journal Reviewer:** TMM, Computers & Graphics

## ACADEMIC TALKS

Invited Speaker at Huawei, Noah's Ark Lab	2022
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## TEACHING ASSISTANT

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Digital Image Processing System, Southeast University

Fall 2020

Instructor: Yangang Wang

Introduction to Artificial Intelligence, Southeast University

Fall 2019

Instructor: Yangang Wang