

BUZHEN HUANG

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RESEARCH INTERESTS

Topics: Motion Capture, Human Mesh Recovery

EDUCATION

Southeast University Ph.D. in Control Science and Engineering	Mar 2022 - present Advisor: Prof. Yangang Wang
National University of Singapore Visiting Student	Sep 2023 - present Advisor: Prof. Gim Hee Lee
Southeast University M.S. in Control Engineering	Sep 2019 - Mar 2022 Advisor: Prof. Yangang Wang
University of Pennsylvania Visiting Student	Feb 2018 - Mar 2018
Hangzhou Dianzi University B.E. in Automation, rank: 3/152	Sep 2015 - Jun 2019 Advisor: Prof. Chenggang Yan and Prof. Yue Gao

PUBLICATIONS

- [1] [Closely Interactive Human Reconstruction with Proxemics and Physics-Guided Adaption](#)
Buzhen Huang, Chen Li, Chongyang Xu, Liang Pan, Yangang Wang and Gim Hee Lee
IEEE/CVF Conference on Computer Vision and Pattern Recognition (CVPR), 2024
- [2] [Synthesizing Physically Plausible Human Motions in 3D Scenes](#)
Liang Pan, Jingbo Wang, **Buzhen Huang**, Junyu Zhang, Haofan Wang, Xu Tang and Yangang Wang
International Conference on 3D Vision (3DV), 2024
- [3] [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
- [4] [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
- [5] [Simultaneously Recovering Multi-Person Meshes and Multi-View Cameras with Human Semantics](#)
Buzhen Huang, Jingyi Ju, Yuan Shu and Yangang Wang
IEEE Transactions on Circuits and Systems for Video Technology (TCSVT), 2023
- [6] [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
- [7] [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
- [8] [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
- [9] [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
- [10] [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)
- [11] [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

Session Chair: IJCAI

Conference Reviewer: NeurIPS, CVPR, ICCV, ECCV, IJCAI, ACM MM, ACCV, CICA

Journal Reviewer: TPAMI, TMM, Computers & Graphics

TEACHING ASSISTANT

Digital Image Processing System, Southeast University

Fall 2020

Instructor: Yangang Wang