

BUZHEN HUANG

Ph.D. Student, Southeast University
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RESEARCH INTERESTS

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

EDUCATION

| | |
|---|---|
| Southeast University Ph.D. in Control Science and Engineering | Sep 2019 - present Advisor: Prof. Yangang Wang |
| National University of Singapore Visiting Student | Sep 2023 - present Advisor: Prof. Gim Hee Lee |
| 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] [Synthesizing Physically Plausible Human Motions in 3D Scenes](#)
Liang Pan, Jingbo Wang, **Buzhen Huang**, Junyu Zhang, Haofan Wang, Xu Tang, Yangang Wang
International Conference on 3D Vision (3DV), 2024
- [2] [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
- [3] [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
- [4] [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
- [5] [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
- [6] [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
- [7] [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
- [8] [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
- [9] [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)
- [10] [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 |

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| 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, CICA
Journal Reviewer: TMM, Computers & Graphics

ACADEMIC TALKS

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|---|------|
| 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 |