

XIANGTAO WANG

(+86) 15133272873 • whispers2860@gmail.com • <https://xiangtaowong.me/>

EDUCATION

Hebei University of Technology, Tianjin, China 08/2021 – 06/2024 (expected)
M.S. in Biomedical Engineering, GPA: 3.85/4
North China University of Science and Technology, Hebei, China 08/2017 – 07/2021
B.Eng. in Electrical Engineering and Automation, GPA: 3.31/4

PUBLICATIONS & MANUSCRIPTS

Conference Papers

- **MPS-AMS: Masked Patches Selection and Adaptive Masking Strategy Based Self-Supervised Medical Image Segmentation** [PDF]
Xiangtao Wang, Ruizhi Wang, Biao Tian, Jiaojiao Zhang, Shuo Zhang, Thomas Lukasiewicz, Zhenghua Xu*. *ICASSP, 2023.*
- **MvCo-DoT: Multi-View Contrastive Domain Transfer Network for Medical Report Generation** [PDF]
Ruizhi Wang, Xiangtao Wang, Zhenghua Xu*, Wenting Xu, Junyang Chen, Thomas Lukasiewicz. *ICASSP, 2023.*

Journal Papers

- **AMLPL: Adaptive Masking Lesion Patches for Self-supervised Medical Image Segmentation** [PDF]
Xiangtao Wang, Ruizhi Wang, Thomas Lukasiewicz, Zhenghua Xu*. *Under review of TMI.*
- **C2M-DoT: Cross-modal Consistent Multi-View Medical Report Generation with Domain Transfer Network** [PDF]
Ruizhi Wang, Xiangtao Wang, Thomas Lukasiewicz, Zhenghua Xu*. *Submitted to TMI.*
- **SW-Seg: Semi- and Weakly-Supervised Learning for Accurate Medical Image Segmentation Using Inaccurate Scribble Annotations** [PDF]
Biao Tian, Zhenghua Xu*, Xiangtao Wang, Shuo Zhang, Hening Wang, Yuefu Zhan, Thomas Lukasiewicz. *Under review of TCSVT.*
- **Collaborative Attention Guided Multi-Scale Feature Fusion Network for Medical Image Segmentation** [PDF]
Zhenghua Xu*, Biao Tian, Shijie Liu, Xiangtao Wang, Di Yuan, Junhua Gu, Junyang Chen, Thomas Lukasiewicz, Victor C. M. Leung. *Minor revision of TNSE.*

EXPERIENCE

Intelligent Healthcare and Big Data Team, Hebei University of Technology Sept. 2021 – Present
Graduate Research Supervisor: Prof. Zhenghua Xu
Medical Image Analysis, Computer Vision and Natural Language Processing

SELECTED HONORS & REWARDS

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|---|------|
| • Graduate Academic Scholarship of Class 2 (top 15%) | 2023 |
| • Bronze Prize, the 8th National Undergraduate Biomedical Engineering Innovation Design Competition | 2023 |
| • 1st place, Graduate Academic Scholarship of Class 1 (top 10%) | 2022 |
| • Merit Student (top 10%) | 2022 |
| • Bronze Prize, the 7th National Undergraduate Biomedical Engineering Innovation Design Competition | 2022 |
| • Silver Prize of the 12th National Undergraduate Mathematics Contest (non-mathematics) | 2020 |
| • Bronze Prize of the 8th APMCM Asia-Pacific University Mathematical Contest in Modeling | 2018 |

SKILLS

Tools and Frameworks: Git, L^AT_EX, PyTorch, TensorFlow