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1. 个人简介

1.1　教学

主要负责"程序设计"专业核心课程群建设，自主开发"中国海洋大学在线程序评测平台"，开展任务驱动的混合课程教学改革，推行全过程多元化学生学习评价机制，改革实验课程学生考核评价体系及实验室管理制度，打造全新的智能化、网络化、自主化实践实验教学模式，引导激发学生学习潜能，得到学生好评并"意犹未尽"。主持山东省本科高校教学改革研究项目 1 项、山东省研究生教育质量提升计划建设项目 2 项，发表教学论文 2 篇，负责山东省一流本科课程"高级语言程序设计"和山东省一流本科专业建设点"电子信息科学与技术"。

1.2　科研

组建微纳感知与信息智能科研团队，聚焦智能信息感知与处理研究，在视觉合成、视频分析、水下视觉清晰化、海洋生物识别等方面取得系列成果，主持包括国家自然科学基金在内的科研项目 10 余项，发表包括计算机视觉顶级期刊 TPAMI、IJCV 和三大顶级会议 CVPR、ICCV、ECCV 以及多媒体顶级会议 ACM MM 在内的学术论文 80 余篇，授权国家发明专利 10 多项。

1.3　学术

担任 IEEE Journal of Oceanic Engineering、Intelligent Marine Technology and Systems 和 IEEE Access 期刊编委，IEEE 海洋工程学协会水下光学与视觉技术委员会主席（2023-2024），中国图象图形学学会青年工作委员会委员、执行委员，山东电子学会理事会理事，北太平洋海洋科学组织 PICES 工作组 WG-48 成员，VALSE 首批常务领域主席等；IEEE Senior Member，CSIG 高级会员。

1.4　获奖

荣获生物信息学国际权威会议 InCoB 2017 最佳论文奖、山东省省级教学成果奖、山东省优秀硕士学位论文指导奖，以及中国海洋大学本科教学优秀奖、天泰优秀人才奖、东升课程教学卓越奖、五四青年奖等，入选山东省泰山学者青年专家。

2. 教育背景

- **中国海洋大学**　　　　　　　　　　　　　　　　　　　　　　　　　青岛，中国
  博士，海洋信息探测与处理 专业，导师：姬光荣 教授　　　　　2004 年 9 月 - 2009 年 6 月
- **中国海洋大学**　　　　　　　　　　　　　　　　　　　　　　　　　青岛，中国
  本科，电子信息工程 专业，工学学士学位　　　　　　　　　　2000 年 9 月 - 2004 年 6 月

3. 工作经历

- **中国海洋大学**　　　　　　　　　　　　　　　　　　　　　　　　　青岛，中国
  教授，信息科学与工程学院电子工程系　　　　　　　　　　　　2020 年 1 月 - 至今
- **英国邓迪大学**　　　　　　　　　　　　　　　　　　　　　　　　　邓迪，英国
  访问学者，科学与工程学院数学系　　　　　　　　　　　　　2018 年 8 月 - 2019 年 8 月
- **中国海洋大学**　　　　　　　　　　　　　　　　　　　　　　　　　青岛，中国
  副教授，信息科学与工程学院电子工程系　　　　　　　　　　2014 年 12 月 - 2019 年 12 月

- **中国海洋大学**
  青岛，中国
  讲师，信息科学与工程学院电子工程系
  2009 年 7 月 - 2014 年 11 月

4. 学术服务

- **学术兼职**: IEEE Journal of Oceanic Engineering 编委（Associate Editor），Intelligent Marine Technology and Systems 编委（Associate Editor），IEEE Access 编委（Associate Editor）；IEEE Senior Member，CSIG 高级会员；IEEE 海洋工程学协会水下光学与视觉技术委员会主席（2023-2024）；中国图象图形学学会青年工作委员会委员、执行委员；山东电子学会理事会理事；北太平洋海洋科学组织 PICES 工作组 WG-48（WGISMP）成员；VALSE 首批常务领域主席（LACC）、首届在线理事会理事（VODB）；ISAIR 首届指导委员会委员。

- **客座编辑**: Deep Learning for Marine Science, Volume II, Frontiers in Marine Science, 2023; Deep Learning for Marine Science, Frontiers in Marine Science, 2022; Advanced Machine Learning Methodologies for Underwater Image and Video Processing and Analysis, IEEE Journal of Oceanic Engineering, 2021.

- **特邀报告**: 水下视觉："未见其人，先闻其声"，中国模式识别与计算机视觉大会（PRCV）专题论坛：蓝色经济下的海洋环境感知与理解，中国深圳，2022；Image Harmonization Methods and Applications, Wireless Silk Road International Lecture Series, Virtual, 2022; Image-to-Image Translation: Advances and Trends, International Symposium on Artificial Intelligence and Robotics (ISAIR), Daegu, Korea, 2019; Underwater Vision from Optics and Imaging to Vision and Learning, Vision And Learning SEminar (VALSE), Xiamen, China, 2017.

- **期刊审稿**: IEEE TPAMI, TNNLS, TII, TSMC, TMI, TCSVT, TAI, JOE, Access, SPL, GRSL; IEEE/ACM TCBB; ACM CSUR; Elsevier FGCS, KNOSYS, P&RS AESCTE, PR, PRLETTERS, NEUCOM, CVIU, JVCI, JOLT, COMPELECENG, FISH, ASOC, OPT COMMUN, ECOINF; SPIE JEI, JARS, OE; Springer MONE, COE, MTAP, NCA, WINE; Wiley LOM, MRT, CCPE; CLP COL; Nature SREP; Hindawi CIN; · · ·

- **会议审稿**: CVPR (2019-), ICCV (2019-), ECCV (2020-), ICML (2023-), NeurIPS (2022-), ICLR (2022-), AAAI (2020-), ACM MM (2021-), MICCAI (2022-), WACV (2021-), OCEANS (2016-).

5. 获奖荣誉

- 2024 年，山东省一流本科课程"高级语言程序设计"负责人。

- 2023 年，山东省泰山学者青年专家（2022）。

- 2023 年，中国图象图形学学会（CSIG）高级会员。

- 2022 年，IEEE Senior Member。

- 2020 年，山东省优秀硕士学位论文指导奖。

- 2020 年，中国海洋大学第二十届"五四青年奖"。

- 2020 年，中国海洋大学第九届本科教学优秀奖三等奖。

- 2019 年，中国海洋大学第二十一届"天泰优秀人才奖"二等奖。

- 2018 年，"卓越计划"背景下电子信息类人才培养模式的构建与实践，山东省第八届高等教育教学成果奖二等奖（第二位）。

- 2018 年，中国海洋大学第四届"东升课程教学卓越奖"二等奖。

- 2017 年，"卓越工程师"背景下电子信息类人才培养模式的构建与实践，中国海洋大学第十届校级优秀教学成果奖二等奖（第二位）。

- 2017 年，"Automatic plankton image classification combining multiple view features via multiple kernel learning"，第十六届国际生物信息学会议 InCoB 2017 最佳论文奖（第一作者）。

- 2016 年，中国海洋大学 2016 届本科生毕业论文（设计）优秀指导教师。

- 2013 年，中国海洋大学优秀教师。

6. 科研项目

6.1 图像翻译与水下视觉

- **受限场景下自监督图像翻译方法及其水下视觉应用研究**   国家自然科学基金（负责人）
  批准号：62171421 项目直接费用：57 万元   *研究期限：2022 年 01 月 - 2025 年 12 月*

6.2 海洋浮游生物图像分析与识别

- **类别不平衡条件下海洋浮游生物图像精细识别及其原位应用研究**   国家自然科学基金（负责人）
  批准号：61771440 项目直接费用：67 万元   *研究期限：2018 年 01 月 - 2021 年 12 月*
- **基于深度学习的类别不平衡条件下海洋浮游生物图像精细识别**   青岛市科技计划源头创新计划（负责人）
  批准号：17-1-1-5-jch 项目经费：10 万元   *研究期限：2017 年 03 月 - 2019 年 03 月*
- **基于视觉注意结合生物形态特征的海洋浮游植物显微图像分析**   国家自然科学基金（负责人）
  批准号：61301240 项目经费：26 万元   *研究期限：2014 年 01 月 - 2016 年 12 月*
- **基于生物形态特征的中国海常见有害赤潮藻显微图像识别**   国家自然科学基金（第二位）
  批准号：61271406 本人经费：30 万元   *研究期限：2013 年 01 月 - 2016 年 12 月*
- **基于生物形态学的有害赤潮藻显微图像自动识别研究**   山东省自然科学基金（负责人）
  批准号：ZR2010DQ002 项目经费：5 万元   *研究期限：2010 年 11 月 - 2013 年 11 月*

6.3 水下目标视觉信息获取与处理

- **海洋中小型浮游生物原位光学观测关键技术研究**   国家自然科学基金（第二位）
  批准号：41776113 项目直接费用：70 万元   *研究期限：2018 年 01 月 - 2021 年 12 月*
- **基于逻辑随机共振理论的水下视觉目标检测方法研究**   国家自然科学基金（第二位）
  批准号：61703381 项目直接费用：25 万元   *研究期限：2018 年 01 月 - 2020 年 12 月*
- **海洋浮游动物原位探测与分析系统**   中央高校基本科研业务费（负责人）
  批准号：201562023 项目经费：95 万元   *研究期限：2015 年 11 月 - 2017 年 12 月*

6.4 垂直探测电离图自动解译与度量

- **基于图像分析的垂测电离图自动判读研究**   青岛市科技计划基础研究项目（负责人）
  批准号：13-1-4-223-jch 项目经费：5 万元   *研究期限：2013 年 01 月 - 2015 年 09 月*
- **电离层垂直探测频高图自动解释及度量**   中央高校基本科研业务费（负责人）
  批准号：201313011 项目经费：16 万元   *研究期限：2013 年 01 月 - 2015 年 12 月*
- **典型垂测电离图自动识别方法**   电波环境特性及模化技术国防科技重点实验室开放课题（负责人）
  编号：20140106 项目经费：10 万元   *研究期限：2013 年 06 月 - 2015 年 05 月*

7. 主要论著

期刊论文（*通讯作者 / # 同等贡献）

[1] Zhensheng Shi, Haiyong Zheng*, Junyu Dong*. *OceanVP: A HYCOM based Benchmark Dataset and A Relational Spatiotemporal Predictive Network for Oceanic Variable Prediction*. Ocean Engineering, 2024, DOI: 10.1016/j.oceaneng.2024.117748.

[2] Guangzhe Si, Zhaorui Gu, Haiyong Zheng*. *Duet of ViT and CNN: multi-scale dual-branch network for fine-grained image classification of marine organisms*. Intelligent Marine Technology and Systems, 2024, DOI: 10.1007/s44295-023-00019-8.

[3] 刘英杰, 黄嘉琦, 姜玉凤, 邵宇琪, 杨文韬, 于紫凝, 郑海永*. 融合电磁和地声特征的地震预测集成学习方法. 计算机技术与发展, 2024.

[4] Lin Li, **Haiyong Zheng***. *Multidomain Transfer Ensemble Learning for Wireless Fingerprinting Localization*. IEEE Internet of Things Journal, 2023, DOI: 10.1109/JIOT.2023.3330736.

[5] Hongsheng Bi*, Yunhao Cheng, Xuemin Cheng, Mark C. Benfield, David G. Kimmel, **Haiyong Zheng**, Sabrina Groves, Kezhen Ying. *Taming the data deluge: a novel end-to-end deep learning system for classifying marine biological and environmental images*. Limnology and Oceanography: Methods, 2023, DOI: 10.1002/lom3.10591.

[6] Yanan Li#, Zhimin Wang#*, Rongbing Han, Shangshang Shi, Jiaxin Li, Ruimin Shang, **Haiyong Zheng**, Guoqiang Zhong, Yongjian Gu*. *Quantum recurrent neural networks for sequential learning*. Neural Networks, 2023, DOI: 10.1016/j.neunet.2023.07.003.

[7] Zhaorui Gu, Xiuhan Liu, Zhiqiang Hu, Guoyu Wang, Bing Zheng, John Watson, **Haiyong Zheng***. *Underwater computational imaging: a survey*. Intelligent Marine Technology and Systems, 2023, DOI: 10.1007/s44295-023-00009-w.

[8] 郭冬升, 顾肇瑞, 郑冰, 董军宇, **郑海永** *. *面向图像内补与外推问题的迭代预测统一框架*. 中国图象图形学报, 2023, DOI: 10.11834/jig.230144.

[9] Qi Qi, Kunqian Li*, **Haiyong Zheng**, Xiang Gao, Guojia Hou, Kun Sun. *SGUIE-Net: Semantic Attention Guided Underwater Image Enhancement With Multi-Scale Perception*. IEEE Transactions on Image Processing, 2022, DOI: 10.1109/TIP.2022.3216208.

[10] Zonghui Guo, Zhaorui Gu, Bing Zheng, Junyu Dong, **Haiyong Zheng***. *Transformer for Image Harmonization and Beyond*. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2022, DOI: 10.1109/TPAMI.2022.3207091.

[11] Juan Li, Wenkai Xu, Limiao Deng, Ying Xiao, Zhongzhi Han, **Haiyong Zheng***. *Deep learning for visual recognition and detection of aquatic animals: A review*. Reviews in Aquaculture, 2022, DOI: 10.1111/raq.12726.

[12] Zhensheng Shi#, Cheng Guan#, Qianqian Li#, Ju Liang, Liangjie Cao, **Haiyong Zheng***, Zhaorui Gu*, Bing Zheng. *Detecting Marine Organisms via Joint Attention-Relation Learning for Marine Video Surveillance*. IEEE Journal of Oceanic Engineering, 2022, DOI: 10.1109/JOE.2022.3162864.

[13] Hafiza Sadia Nawaz, Zhensheng Shi, Yanhai Gan, Amanuel Hirpa, Junyu Dong*, **Haiyong Zheng**. *Temporal Moment Localization via Natural Language by Utilizing Video Question Answers as a Special Variant and Bypassing NLP for Corpora*. IEEE Transactions on Circuits and Systems for Video Technology, 2022, DOI: 10.1109/TCSVT.2022.3162650.

[14] Peng Liu#, Yueyue Wang#, Angang Du, Liqiang Zhang, Bin Wei, Zhaorui Gu*, Xiaodong Wang*, **Haiyong Zheng**, Juan Li. *Disentangling Latent Space Better for Few-Shot Image-to-Image Translation*. International Journal of Machine Learning and Cybernetics, 2022, DOI: 10.1007/s13042-022-01552-4.

[15] Peng Liu#*, Chufeng Zhang#, Hao Qi, Guoyu Wang, **Haiyong Zheng***. *Multi-Attention DenseNet: A Scattering Medium Imaging Optimization Framework for Visual Data Pre-Processing of Autonomous Driving Systems*. IEEE Transactions on Intelligent Transportation Systems, 2022, DOI: 10.1109/TITS.2022.3145815.

[16] Qi Zhao#, Ziqiang Zheng#, Huimin Zeng, Zhibin Yu*, **Haiyong Zheng**, Bing Zheng. *The Synthesis of Unpaired Underwater Images for Monocular Underwater Depth Prediction*. Frontiers in Marine Science, 2021, DOI: 10.3389/fmars.2021.690962.

[17] Ziqiang Zheng, Zhibin Yu, Yang Wu, **Haiyong Zheng***, Bing Zheng, Minho Lee*. *Generative adversarial network with multi-branch discriminator for imbalanced cross-species image-to-image translation*. Neural Networks, 2021, DOI: 10.1016/j.neunet.2021.04.013.

[18] Ziqiang Zheng, Zhibin Yu, **Haiyong Zheng**, Yang Yang*, Heng Tao Shen. *One-shot image-to-image translation via part-global learning with a multi-adversarial framework*. IEEE Transactions on Multimedia, 2021, DOI: 10.1109/TMM.2021.3053775.

[19] Zhensheng Shi#, Liangjie Cao#, Cheng Guan, **Haiyong Zheng***, Zhaorui Gu*, Zhibin Yu, Bing Zheng. *Learning attention-enhanced spatiotemporal representation for action recognition*. IEEE Access, 2020, DOI: 10.1109/ACCESS.2020.2968024.

[20] Chao Wang#, Wenjie Niu#, Yufeng Jiang#, **Haiyong Zheng***, Zhibin Yu*, Zhaorui Gu, Bing Zheng. *Discriminative region proposal adversarial network for high-quality image-to-image translation*. International Journal of Computer Vision, 2019, DOI: 10.1007/s11263-019-01273-2.

[21] Yan Zhao, Ziqiang Zheng, Chao Wang, Zhaorui Gu, Min Fu, Zhibin Yu*, **Haiyong Zheng**, Nan Wang, Bing Zheng. *Fine-grained facial image-to-image translation with an attention based pipeline generative adversarial framework*. Multimedia Tools and Applications, 2019, DOI: 10.1007/s11042-019-08346-x.

[22] Peng Liu, Guoyu Wang, Hao Qi, Chufeng Zhang, **Haiyong Zheng**, Zhibin Yu*. *Underwater image enhancement with a deep residual framework*. IEEE Access, 2019, DOI: 10.1109/ACCESS.2019.2928976.

[23] Jia Yu, Xuewen Yang, Nan Wang*, Gavin Tilstone, Elaine Fileman, **Haiyong Zheng**, Zhibin Yu. *Video-based real time analysis of plankton particle size spectrum*. IEEE Access, 2019, DOI: 10.1109/ACCESS.2019.2914727.

[24] Haoxu Zhang, Chenchen Qiu, Chao Wang, Bin Wei, Zhibin Yu, **Haiyong Zheng***, Juan Li*. *Learning spectral normalized adversarial systems with stacked structure for high-quality 3D object generation*. Concurrency and Computation: Practice and Experience, 2019, DOI: 10.1002/cpe.5430.

[25] Hao Ding, Bin Wei*, Zhaorui Gu, Zhibin Yu, **Haiyong Zheng***, Bing Zheng, Juan Li. *KA-Ensemble: towards imbalanced image classification ensembling under-sampling and over-sampling*. Multimedia Tools and Applications, 2019, DOI: 10.1007/s11042-019-07856-y.

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[28] Chenchen Qiu, Shaoyong Zhang, Chao Wang, Zhibin Yu, **Haiyong Zheng***, Bing Zheng*. *Improving transfer learning and squeeze-and-excitation networks for small-scale fine-grained fish image classification*. IEEE Access, 2018, DOI: 10.1109/ACCESS.2018.2885055.

[29] Mengnan Sun, Zhaorui Gu, **Haiyong Zheng***, Bing Zheng*, John Watson. *Underwater wide-area layered light field for underwater detection*. IEEE Access, 2018, DOI: 10.1109/ACCESS.2018.2877591.

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[38] Mengnan Sun, Bing Zheng*, Bo Peng, Yan Wang, **Haiyong Zheng**. *A target detectability assessment metric for the underwater electro-optic imaging system*. Optics and Laser Technology, 2017, DOI: 10.1016/j.optlastec.2017.10.028.

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[40] Nan Wang, **Haiyong Zheng***, Bing Zheng. *Underwater image restoration via maximum attenuation identification*. IEEE Access, 2017, DOI: 10.1109/ACCESS.2017.2753796.

[41] Nan Wang, Bing Zheng*, **Haiyong Zheng**, Zhibin Yu. *Feeble object detection of underwater images through LSR with delay loop*. Optics Express, 2017, DOI: 10.1364/OE.25.022490.

[42] Tengda Wei, Linshan Wang, Ping Lin, Jialing Chen, Yangfan Wang*, **Haiyong Zheng**. *Learning non-negativity constrained variation for image denoising and deblurring*. Numerical Mathematics: Theory, Methods and Applications, 2017, DOI: 10.4208/nmtma.2017.m1653.

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- **Guest Editor**: Deep Learning for Marine Science, Volume II, Frontiers in Marine Science, 2023; Deep Learning for Marine Science, Frontiers in Marine Science, 2022; Advanced Machine Learning Methodologies for Underwater Image and Video Processing and Analysis, IEEE Journal of Oceanic Engineering, 2021.

- **Invited Talk**: Underwater Vision: "Hearing before seeing", Chinese Conference on Pattern Recognition and Computer Vision (PRCV) Workshop, Shenzhen, China, 2022; Image Harmonization Methods and Applications, Wireless Silk Road International Lecture Series, Virtual, 2022; Image-to-Image Translation: Advances and Trends, International Symposium on Artificial Intelligence and Robotics (ISAIR), Daegu, Korea, 2019; Underwater Vision from Optics and Imaging to Vision and Learning, Vision And Learning SEminar (VALSE), Xiamen, China, 2017.

- **Journal Review**: IEEE TPAMI, TNNLS, TII, TSMC, TMI, TCSVT, TAI, JOE, Access, SPL, GRSL; IEEE/ACM TCBB; ACM CSUR; Elsevier FGCS, KNOSYS, P&RS AESCTE, PR, PRLETTERS, NEUCOM, CVIU, JVCI, JOLT, COMPELECENG, FISH, ASOC, OPT COMMUN, ECOINF; SPIE JEI, JARS, OE; Springer MONE, COE, MTAP, NCA, WINE; Wiley LOM, MRT, CCPE; CLP COL; Nature SREP; Hindawi CIN; · · ·

- **Conference Review**: CVPR (2019-), ICCV (2019-), ECCV (2020-), ICML (2023-), NeurIPS (2022-), ICLR (2022-), AAAI (2020-), ACM MM (2021-), MICCAI (2022-), WACV (2021-), OCEANS (2016-).

4. Project Grants

4.1   Image-to-Image Translation and Underwater Vision

- **Self-Supervised Image-to-Image Translation under Limited Situation and its Underwater Vision Application**
  Grant No. 62171421 ¥570 Thousand

  *NSFC (**Principal Investigator**)*

  Duration: January 2022 - December 2025

4.2   Marine Plankton Image Analysis and Recognition/Classification

- **Fine-Grained Image Recognition of Marine Plankton under Class Imbalance and its *In Situ* Application**
  Grant No. 61771440 ¥670 Thousand

  *NSFC (**Principal Investigator**)*

  Duration: January 2018 - December 2021

- **Fine-Grained Image Recognition of Marine Plankton under Class Imbalance based on Deep Learning**
  Grant No. 17-1-1-5-jch ¥100 Thousand

  *QDSTC (**Principal Investigator**)*

  Duration: March 2017 - March 2019

- **Microscopic Image Analysis of Marine Phytoplankton Based on Visual Attention Combined with Biomorphic Characteristics**
  Grant No. 61301240 ¥260 Thousand

  *NSFC (**Principal Investigator**)*

  Duration: January 2014 - December 2016

- **Automatic Identification of Harmful Algal Blooms in Chinese Coast Areas by Microscopic Images Based on Biomorphic Characteristics**
  Grant No. 61271406 ¥300 Thousand

  NSFC (Main Investigator)

  Duration: January 2013 - December 2016

- **Automatic Identification of Harmful Algal Blooms by Microscopic Images Based on Biological Morphology**
  Grant No. ZR2010DQ002 ¥50 Thousand

  *SDNSF (**Principal Investigator**)*

  Duration: November 2010 - November 2013

4.3   Underwater Target Visual Information Acquisition and Processing

- **Research on Key Technologies of *In-Situ* Optical Observation for Marine Meso- and Micro-Plankton**
  Grant No. 41776113 ¥700 Thousand

  NSFC (Main Investigator)

  Duration: January 2018 - December 2021

- **Logical Stochastic Resonance Based Underwater Image Object Detection**
  Grant No. 61703381 ¥250 Thousand

  NSFC (Main Investigator)

  Duration: January 2018 - December 2020

- ***In-situ* Sensing and Analyzing System of Ocean Zooplankton**
  Grant No. 201562023 ¥950 Thousand

  *FRFCU (**Principal Investigator**)*

  Duration: November 2015 - December 2017

4.4   Vertical Sounding Ionogram Parsing/Interpretation and Scaling

- **Automatic Scaling of Vertical Sounding Ionogram Based on Image Analysis**
  Grant No. 13-1-4-223-jch ¥50 Thousand

  *QDSTC (**Principal Investigator**)*

  Duration: January 2013 - September 2015

- **Automatic Interpretation and Scaling of Ionospheric Vertical Sounding Ionogram**
  Grant No. 201313011 ¥160 Thousand

  *FRFCU (**Principal Investigator**)*

  Duration: January 2013 - December 2015

- **Automatic Identification of Typical Vertical Sounding Ionogram**
  No. 20140106 ¥100 Thousand

  *CRIRP (**Principal Investigator**)*

  Duration: June 2013 - May 2015

5. Publications

Journals (* indicates corresponding author and # indicates equal contribution)

[1] Zhensheng Shi, Haiyong Zheng*, Junyu Dong*. *OceanVP: A HYCOM based Benchmark Dataset and A Relational Spatiotemporal Predictive Network for Oceanic Variable Prediction*. Ocean Engineering, 2024, DOI: 10.1016/j.oceaneng.2024.117748.

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[3] Lin Li, **Haiyong Zheng***. *Multidomain Transfer Ensemble Learning for Wireless Fingerprinting Localization*. IEEE Internet of Things Journal, 2023, DOI: 10.1109/JIOT.2023.3330736.

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[11] Zhensheng Shi#, Cheng Guan#, Qianqian Li#, Ju Liang, Liangjie Cao, **Haiyong Zheng***, Zhaorui Gu*, Bing Zheng. *Detecting Marine Organisms via Joint Attention-Relation Learning for Marine Video Surveillance*. IEEE Journal of Oceanic Engineering, 2022, DOI: 10.1109/JOE.2022.3162864.

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[13] Peng Liu#, Yueyue Wang#, Angang Du, Liqiang Zhang, Bin Wei, Zhaorui Gu*, Xiaodong Wang*, **Haiyong Zheng**, Juan Li. *Disentangling Latent Space Better for Few-Shot Image-to-Image Translation*. International Journal of Machine Learning and Cybernetics, 2022, DOI: 10.1007/s13042-022-01552-4.

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