

## **Xiaoyue Hu, Ph.D.**

CIMAS and NOAA/AOML/PhOD  
4301 Rickenbacker Causeway, Miami, FL 33149  
[xiaoyue.hu@noaa.gov](mailto:xiaoyue.hu@noaa.gov), (786) 367-8398

### **EDUCATION**

#### **Ph.D.** in Physical Oceanography (2019)

Institute of Oceanology, Chinese Academy of Sciences, Beijing & Qingdao, China  
Dissertation: Reflection and penetration of the equatorial Kelvin waves in the eastern Indian Ocean  
Advisor: Prof. Dongliang Yuan

#### **Visiting Graduate Student** (2016 to 2017)

Scripps Institution of Oceanography, University of California, San Diego  
Advisor: Prof. Janet Sprintall

#### **B.S.** Marine Science (2012)

College of Ocean and Earth Science, Xiamen University, Xiamen, China

### **PROFESSIONAL APPOINTMENT**

#### **Postdoctoral Fellow** (2020 to 2023)

South China Sea Institute of Oceanology, Chinese Academy of Sciences, Guangzhou, China

### **HONORS AND AWARDS**

**National Marine Science and Technology Award**, Chinese Society for Oceanography, 2021

**Joint Ph.D. Student Program Scholarship**, China Scholarship Council, 2016

**Excellent Student Awards**, University of Chinese Academy of Sciences, 2014 & 2015

**Excellent Graduated Student Award**, Xiamen University, 2012

**National Scholarship Award**, Chinese Department of Education, 2010

### **PUBLICATIONS**

**Hu X.**, H. Xue, L. Liang (2022) Impact of ENSO in the entrance of the Indonesian Throughflow: The oceanic wave propagation. *Journal of Geophysical Research: Oceans*, 127(12): e2022JC018782.

Yuan D., X. Yin, X. Li, C. Corvianawatie, Z. Wang, Y. Li, Y. Yang, **X. Hu**, and others (2022) A Maluku Sea intermediate western boundary current connecting Pacific Ocean circulation to the Indonesian Throughflow. *Nature Communications*, 13: 2093.

Li X., D. Yuan, Y. Li, Z. Wang, J. Wang, **X. Hu**, and others (2021) Moored observations of currents and water mass properties between Talaud and Halmahera Islands at the entrance of the Indonesian seas. *Journal of Physical Oceanography*, 51(12): 3557-3572.

Wang J., D. Yuan, X. Li, Y. Li, Z. Wang, **X. Hu**, and others (2020) Moored observations of the Savu Strait currents in the Indonesian seas. *Journal of Geophysical Research: Oceans*, 125: e2020JC016082.

**Hu X.**, J. Sprintall, D. Yuan, B. Tranchant, P. Gasper, A. Koch-Larrouy, and others (2019) Interannual variability of the Sulawesi Sea circulation forced by Indo-Pacific Planetary Waves. *Journal of Geophysical Research: Oceans*, 124(3): 1616-1633.

Yuan D., **X. Hu**, P. Xu, X. Zhao, Y. Masumoto, and W. Han (2018) The IOD-ENSO precursory teleconnection over the tropical Indo-Pacific Ocean: dynamics and long-term trends under global warming. *Journal of Oceanology and Limnology*, 36(1): 4-19.

Yuan D., X. Li, Z. Wang, Y. Li, J. Wang, Y. Yang, **X. Hu**, and others (2018) Observed transport variations in the Maluku Channel of the Indonesian Seas associated with western boundary current changes. *Journal of Physical Oceanography*, 48(8): 1803-1813.

**Hu X.**, Zhang C. and Shang S. (2015) Validation and inter-comparison of multi-satellite merged sea surface temperature products in the South China Sea and its adjacent waters. *Journal of Remote Sensing*, 19(2): 328-338.

## **PROJECT**

**National Science Foundation for Young Scholars**, 2022-2024, PI

“Impact of ENSO on the entrance of the Indonesian Throughflow: The oceanic wave propagation and dynamics”

## **OCEANOGRAPHIC RESEARCH CRUISES**

R/V *Baruna Jaya VIII*, **Indonesian seas**, 24 September-4 October 2018, 11 days

R/V *Kexue-I*, **western Pacific Ocean**, 7 November-1 December 2014, 25 days

R/V *SHIYAN I*, **eastern Indian Ocean**, March to May 2014, 62 days

R/V *Yanping-II*, **Xiamen Bay**, December 2010, 3 days

## **COLLABORATORS**

Huijie Xue (Xiamen University), Dongliang Yuan (First Institute of Oceanography, MNR), Janet Sprintall (Scripps Institution of Oceanography, UCSD), Ariane Koch-Larrouy (LEGOS), Gustavo Goni, Shenfu Dong, Kandaga Pujiana (NOAA/AOML)