

# 李晓峰博士简历(2013年)

NOAA

Xiaofeng Li

NCWCP - E/RA3, 5830 University Research Court

College Park, MD 20740, U. S. A.

Xiaofeng.Li@noaa.gov

李晓峰 1985 年本科毕业于浙江大学光学仪器系。随后在国家海洋局第一研究所（青岛）和美国北卡罗来纳州立大学（North Carolina State University）分别获物理海洋学硕士和博士学位。自 1997 年，李晓峰就职于美国国家海洋大气局 (NOAA) 环境卫星中心 (NESDIS)，主要从事卫星遥感在海洋学, 自然灾害以及海岸带综合治理方面的研究。现任世界发行量最大的遥感专业 SCI 刊物《*International Journal of Remote Sensing*》（《国际遥感》）副主编、美国宇航局 (NASA) 雷达卫星产品指导委员会 20 名委员之一、IEEE 地球遥感分会、海洋工程分会高级会员、美国地球物理学会 (AGU) 会员、美国气象学会 (AMS) 会员。

李晓峰在国际学术刊物发表 SCI 和 EI 论文 100 余篇，文章配图 5 次被选为 SCI 刊物封面，2002 年部分工作被<<NATURE>>专文介绍。是美国自然科学基金委员会 (NSF)，美国航空航天局 (NASA)，欧洲空间局 (ESA) 评审专家。李晓峰为美国 George Mason 大学、中国海洋大学、浙江大学客座教授；卫星海洋环境动力学国家重点实验室（杭州）、厦门大学近海海洋环境科学国家重点实验室、中国科学院遥感应应用研究所、南京地理与湖泊研究所客座研究员。李晓峰目前兼任上海海洋大学国际海洋研究中心海洋微波遥感实验室首席科学家。2012 年被上海市教委授予“东方学者”称号。2013 年被卫星海洋环境动力学国家重点实验室授予“海星学者”称号。

## 1. 学历：

1997：物理海洋学博士

毕业学校：美国北卡罗来纳州立大学海洋大气地球科学系

Department of Marine, Earth and Atmospheric Sciences

North Carolina State University, Raleigh, NC, U. S. A.

1992：物理海洋学硕士

毕业学校：国家海洋局第一海洋研究所

1989-1990：硕士研究生基础课程就读于：中国科学技术大学物理系（合肥）

1985: 工学学士

毕业学校: 浙江大学光学仪器系

## 2. 工作经历:

1997-今: 美国国家海洋大气局研究员

1992-1997: 研究助理, North Carolina State University

1985-1992: 国家海洋局第一海洋研究所助理工程师

## 3. 近 3 年国际会议特邀报告:

- 2013. 09: 日本宇航局 JAXA ALOS-2 项目负责人研讨会, 日本筑波
- 2013. 08: IEEE 国际遥感会议, 澳大利亚
- 2012. 10: 中国工程院院士论坛特邀报告, 中国上海
- 2012. 07: IEEE 国际遥感会议 (IGARSS) SAR 海洋动力应用分会主席, Invited session Chair: SAR remote sensing for a dynamic ocean, Munich, Germany, 德国慕尼黑
- 2012. 03: Seoul National University 韩国首尔国立大学特邀报告
- 2011. 11: Invited presentation, Xiamen University, 中国厦门大学特邀报告
- 2011. 07: IEEE 国际遥感会议 (IGARSS), SAR 海洋应用及业务化分会主席, Invited session Chair: SAR applications in oceanography: from research to operation, Vancouver, Canada 加拿大温哥华
- 2011. 06: 加拿大宇航局 SAR 会议 Canadian Space Agency Advanced SAR Workshop, Montreal, Québec, Canada 加拿大蒙特利尔
- 2010. 11: 日本宇航局第四届 ALOS 卫星项目负责人研讨会 The 4th Joint PI Symposium of ALOS Science Program, Tokyo, Japan 日本东京
- 2010. 10: 加拿大宇航局雷达卫星台风应用项目负责人研讨会 Canadian Space Agency RADARSAT-1 Hurricane Applications Project PI conference, Montreal, Canada 加拿大蒙特利尔

## 4. 近 3 年发表论文目录 (2010-2013 年发表 SCI 论文 27 篇。总数 100 余篇)

- 1) Monaldo, F., **Xiaofeng Li**, W. Pichel, and C. Jackson, Ocean wind speed climatology from Spaceborne SAR imagery, *Bulletin of the American Meteorological Society*, doi: <http://dx.doi.org/10.1175/BAMS-D-12-00165.1>, 2013. SCI 6.0. SCI 6.0.
- 2) **Li, Xiaofeng**, W. Zheng, X. Yang, J. A. Zhang, W. G. Pichel, and Z. Li, Coexistence of atmospheric gravity waves and boundary layer rolls observed by SAR, *Journal of the Atmospheric Sciences*, doi: 10.1175/JAS-D-12-0347.1, 2013.

- 3) **Li, Xiaofeng**, C. R. Jackson, and W. G. Pichel, Internal solitary wave refraction at Dongsha Atoll, South China Sea, *Geophysical Research Letters*, VOL. 40, doi:10.1002/grl.50614, 2013.
- 4) Xu, Q., **Xiaofeng Li**, Y. Wei, Z. Tang, Y. Cheng and W. G. Pichel, Satellite observations and modeling of oil spill trajectories in the Bohai Sea, *Marine Pollution Bulletin*, doi: 10.1016/j.marpolbul.2013.03.028, 2013.
- 5) Nunziata F., M. Migliaccio, **Xiaofeng Li**, and X. Ding, Coastline extraction using dual-polarimetric COSMO-SkyMed PingPong mode SAR data, *IEEE Geoscience and Remote Sensing Letters*, doi: 10.1109/LGRS.2013.2247561, 2013.
- 6) Liu, G., X. Yang, **Xiaofeng Li**, B. Zhang, W. Pichel, Z. Li and X. Zhou, A Systematic comparison of the effect of polarization ratio models on sea surface wind retrieval from C-band synthetic aperture radar, *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, doi: 10.1109/JSTARS.2013.2242848, 2013.
- 7) Garcia-Pineda, O., I. MacDonald, **Xiaofeng Li**, C. Jackson, and W. Pichel, Oil spill mapping and measurement in the Gulf of Mexico with Textural Classifier Neural Network Algorithm (TCNNA), *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, doi: 10.1109/JSTARS.2013.2244061, 2013.
- 8) Bai, X. Z. Liu, **Xiaofeng Li**, Z. Chen, J. Hu, Z. Sun, and J. Zhu, Observations of high-frequency internal waves in the southern Taiwan Strait, *Journal of Coastal Research*, doi: 10.2112/JCOASTRES-D-12-00141.1, 2013.
- 9) **Li, Xiaofeng**, C. Li, Z. Yang, and W. Pichel, SAR imaging of ocean surface oil seep trajectories induced by near inertial oscillation, *Remote Sensing of Environment*, doi: 10.1016/j.rse.2012.11.019, 2012.
- 10) Zheng, Q., B. Holt, **Xiaofeng Li**, X. Liu, Q. Zhao, Y. Yuan and X. Yang, Deep-water seamount wakes on SEASAT SAR image in the Gulf Stream region, *Geophysical Research Letters*, VOL. 39, L16604, doi:10.1029/2012GL052661, 2012. *SCI* 3.792.
- 11) **Li, Xiaofeng**, J. A. Zhang, X. Yang, W. G. Pichel, M. DeMaria, D. Long, and Z. Li, Tropical cyclone morphology from spaceborne synthetic aperture radar, *Bulletin of the American Meteorological Society*, doi:10.1175/BAMS-D-11-00211.1, 2012. *SCI* 6.0
- 12) Zhang B., W. Perrie, P. W. Vachon, **Xiaofeng Li**, W. Pichel, J. Guo and Y. He, Ocean vector winds retrieval from C-band fully polarimetric SAR Measurements, *IEEE Transactions on Geoscience and Remote Sensing*, doi: 10.1109/TGRS.2012.2194157, 2012.
- 13) Migliaccio, M., F. Nunziata, C. Brown, B. Holt, **Xiaofeng Li**, W. Pichel, and Masanobu Shimada, Polarimetric synthetic aperture radar utilized to track oil spills, *EOS*, Vol. 93, No. 16, pp 161-162, 2012.
- 14) Liu, P., **Xiaofeng Li**, J. Qu, W. Wang, C. Zhao, and W. Pichel, Marine oil spill detection with fully polarimetric UAVSAR data, *Marine Pollution Bulletin*, doi: 10.1016/j.marpolbul.2011.09.036, 2011.
- 15) Zhang, B., W. Perrie, **Xiaofeng Li**, W. Pichel, Mapping sea surface oil slicks using RADARSAT-2 quad-polarization SAR image, *Geophysical Research Letters*, doi:10.1029/2011GL047013, 2011.
- 16) Shi, W., M. Wang, **Xiaofeng Li**, and W. G. Pichel, Ocean sand ridge signatures in the Bohai Sea observed by satellite ocean color and synthetic aperture radar measurements, *Remote Sensing of Environment*, doi:10.1016/j.rse.2011.03.015, 2011.
- 17) Ding, X. and **Xiaofeng Li**, Monitoring of the water-area variations of Lake Dongting in China with ENVISAT ASAR images, *International Journal of Applied Earth Observation and Geoinformation*, doi: 10.1016/j.jag.2011.06.009, 2011.

- 18) Migliaccio, M., F. Nunziata, A. Montuori, **Xiaofeng Li**, W. G. Pichel, A Multi-Frequency polarimetric SAR processing chain to observe oil fields in the Gulf of Mexico, *IEEE Transactions on Geoscience and Remote Sensing*, doi: 10.1109/TGRS.2011.2158828, 2011.
- 19) Yang, X., **Xiaofeng Li**, W. G. Pichel and Z. Li, Comparison of ocean surface winds from ENVISAT ASAR, Metop ASCAT scatterometer, buoy measurements and NOGAPS model, *IEEE Transactions on Geoscience and Remote Sensing*, doi: 10.1109/TGRS.2011.2159802, 2011.
- 20) **Li, Xiaofeng**, W. Zheng, X. Yang, Z. Li and W. Pichel, Sea surface imprints of coastal mountain lee waves imaged by SAR, *Journal of Geophysical Research*, doi:10.1029/2010JC006643, 2011.
- 21) Pichel, W., T. Veenstra, J. Churnside, E. Arabini, K. Friedman, D. Foley, R. Brainard, D. Kiefer, S. Ogle, P. Clemente-Colón, **Xiaofeng Li**, GhostNet marine debris survey in the Gulf of Alaska – satellite guidance and aircraft observations, *Marine Pollution Bulletin*, doi:10.1016/j.marpolbul.2011.10.009, 2011.
- 22) Cheng, Y., **Xiaofeng Li**, Q. Xu, O. Garcia-Pineda, O. Andersen, and W. Pichel, SAR observation and model tracking of an oil spill event in coastal waters, *Marine Pollution Bulletin*, doi:10.1016/j.marpolbul.2010.10.005, 2010.
- 23) Liu, S., Z. Li, X. Yang, W. Pichel, Y. Yu, Q. Zheng, and **Xiaofeng Li**, Atmospheric frontal gravity waves on satellite SAR images of the Bohai Sea and Yellow Sea, *Acta Oceanol. Sin.*, Vol. 29, No. 5, P. 35-43, doi: 10.1007/s13131-010-0054-7, 2010.
- 24) **Li, Xiaofeng**, X. Yang, Q. Zheng, L. J. Pietrafesa, W. Pichel, Z. Li and X. Li, Deep-water bathymetric features imaged by spaceborne SAR in the Gulf Stream region, *Geophysical Research Letters*, doi:10.1029/2010GL044406, 2010.
- 25) Yang, X., **Xiaofeng Li**, Q. Zheng, X. Gu, W. Pichel and Z. Li, Comparison of ocean surface winds retrieved from QuikSCAT scatterometer and Radarsat-1 SAR in offshore waters of the US West Coast, *IEEE Geoscience and Remote Sensing Letters*, 99, 163-167, doi: 10.1109/LGRS.2010.2053345, 2010. ,
- 26) Liu, P., C. Zhao, **Xiaofeng Li**, M. He and W. G. Pichel, Identification of ocean oil spills in SAR imagery based on fuzzy logic algorithm, *International Journal of Remote Sensing*, Vol. 31, No. 17, doi: 10.1080/01431161.2010.485147, 2010.
- 27) Xu, Q., H. Lin, **Xiaofeng Li**, Q. Zheng, W. G. Pichel and Y. Liu, Assessment of an analytical model for sea surface wind speed retrieval from Spaceborne SAR, *International Journal of Remote Sensing*, 31: 4, 993 - 1008, doi: 10.1080/01431160902922870, 2010.