上海海洋大学海洋科学学院

College of Marine Sciences Shanghai Ocean University

栏目导航

首页 →师资队伍→详细信息

- 院士
- 正副教授
- 讲师助教
- 教辅人员

李晓峰1985年本科毕业于浙江大学光学仪器系；1992年硕士毕业于国家海洋局一所物理海洋学专业，其中硕士必修课就读于中国科大物理系；1997获美国北卡罗来纳州立大学（North Carolina State University）物理海洋学博士学位。李晓峰博士毕业后在世界最著名的海洋研究管理机构美国国家海洋和大气局（NOAA）工作15年。发表SCI论文50余篇，EI论文20余篇，其中4篇文章的研究成果被选为SCI刊物封面。2002年以第一作者在《Geophysical Research Letters》发表的文章，被《Nature》专文介绍。担任国际上10多种海洋学SCI学术期刊的审稿人和包括美国自然科学基金、美国宇航局基金、欧洲空间局基金等在内的10多个科研基金的评审专家。2003年代表美国科考队赴北极。在欧、美、日、澳和海峡两岸的各种学术会议,政府、研究机构和大学等作报告近百场。李晓峰是IEEE 高级会员，2011年IGARSS会议 "SAR海洋学应用"分会主席，美华海洋大气学会理事，美国地球物理学会，海洋湖沼学会，气象学会会员。自2004年，任上海水产大学海洋学院客座教授。 1. PERSONAL INFORMATION: Name:Xiaofeng Li Contact address: Mail: Dr. Xiaofeng Li, Senior Scientist National Oceanic and Atmospheric Administration (NOAA) National Environmental Satellite, Data, and Information Service (NESDIS) E/RA3, WWBG, Room 102 5200 Auth Road Camp Springs, MD 20746-4304 U.S.A. Tel:301-763-8177(O) Fax:301-763-8020 Email:Xiaofeng.Li@noaa.gov 2. EDUCATION: 08/1992-06/1997:Ph.D. in remote sensing and satellite oceanography Department of Marine, Earth and Atmospheric Sciences North Carolina State University, Raleigh, NC U.S.A. 09/1989-07/1992:M.S. in remote sensing and oceanography First Institute of Oceanography State Oceanic Administration Qingdao, China (1989-1990: taking graduate student courses at Department of Physics, University of Science and Technology of China, HeFei, China.) 09/1981-07/1985:Bachelor of Engineering in Optical Engineering Department of Optical Instrument Engineering Zhejiang University HangZhou, China 3. RESEARCH INTERESTS: *Oceanic internal wave, surface gravity wave and atmospheric boundary layer physical processes *Cyclone and glacier studies through fusion of RADARSAT SAR and GOES/Imager Data; *NOAA series polar orbiting satellite AVHRR data and Geostationary GOES Satellites data receiving, processing, geophysical algorithms development and validation; * Ocean color data analysis (SeaWiFS) to study red tide and algal bloom; * Fishery and vessels studies with Synthetic Aperture Radar in Gulf of Alaska and Bering Sea regions; * 10 years satellite ground station management experience. 4. PEER REVIEWED PUBLICATIONS (SINCE 1998): * Passive Satellite Remote Sensing Oceanography Research with AVHRR and GOES 1)Li, Xiaofeng, Q. Zheng, W. G. Pichel, XiaoHai Yan, W. Timothy Liu, P. Clemente-Colon, Analysis of coastal lee waves along the coast of Texas observed on AVHRR Images, Journal of Geophysical Research Oceans, Vol. 106, No. C4, 7017-7025, 2001. 2)Maturi, E., P. Menzel, Xiaofeng Li, and Fred Wu, GOES sea surface temperature validation, Bulletin of American Meteorological Society, Vol. 82, No.3, 473-476, 2001. 3)Li, Xiaofeng, W. Pichel, E. Maturi, P. Clemente-Colon, and J. Sapper, Deriving the operational nonlinear multi-channel sea surface temperature algorithm coefficients for NOAA-15 AVHRR/3, International Journal of Remote Sensing, Vol. 22, No.4, 699-704, 2001. 4)Li, Xiaofeng, W. Pichel, P. Clemente-Colon, V. Krasnopolsky, and J. Sapper, Validation of coastal sea and lake surface temperature measurements derived from NOAA/AVHRR data, International Journal of Remote Sensing, Vol. 22, No.7, 1285-1303, 2001. 5) Li, Xiaofeng, Application of nonlinear multi-channel algorithms for estimating sea surface temperature with NOAA-14 AVHRR data, Chinese Journal of Oceanology and Limnology, Vol. 18 No. 3, 199-207, 2000. 6)Xie, L., L. J. Pietrafesa, E. Bohm, C. Zhang and Xiaofeng Li, Evidence and mechanism of hurricane Fran-induced ocean cooling in the Charleston trough, Geophysical Research Letters, 25,769-772, 1998. 7)Bohm, E. and Xiaofeng Li, The cold trail of hurricane Emily seen from AVHRR images, Remote Sensing and the Earth, 88, 1994.* Active Satellite Remote Sensing Oceanography Research with Synthetic Aperture Radar 8)Li, X, W. Pichel, M. He, S. Wu, K. Friedman, P. Clemente-Colon, C. Zhao, Observation of Hurricane-Generated Ocean Swell Refraction at the Gulf Stream North Wall with the RADARSAT-1 Synthetic Aperture Radar, IEEE Transactions on Geoscience and Remote Sensing, in review, 2001. 9) Wackerman, C.C., P. Clemente-Colon, W. Pichel, and X. Li, An analytical two-scale model to predict C-VV and C-HH radar cross section values, IEEE Transactions on Geoscience and Remote

Sensing, in press, 2001. 10)Wackerman, C.C., K.S. Friedman, W.G. Pichel, P. Clemente-Colon, Xiaofeng Li, Automatic detection of ships in RADARSAT-1 SAR imagery, Canadian Journal of Remote Sensing, Vol. 27, No. 4, 371-378, 2001. 11)Li, Xiaofeng, P. Clemente-Colon, W. G. Pichel and P. W. Vachon, Atmospheric vortex streets on a RADARSAT SAR image, Geophysical Research Letters, Vol. 27, No. 11, 1655-1658, 2000. 12)Li, Xiaofeng, P. Clemente-Colon, and K. Friedman, Estimating oceanic mixed layer depth from internal wave evolution observed from RADARSAT-1 SAR, Johns Hopkins University Applied Physics Lab Technical Digest, Vol. 21, No. 1, 130-135, 2000. 13)Chunchuzov, I., P. W. Vachon, and Xiaofeng Li, Analysis and modeling of atmospheric gravity waves observed in RADARSAT SAR images, Remote Sensing of Environment, 74, 343-361, 2000. 14)Friedman, K. and Xiaofeng Li, Storm patterns over the ocean with wide swath SAR, Johns Hopkins University Applied Physics Lab Technical Digest, Vol. 21, No.1, 80-85, 2000. 15)Li, Xiaofeng, J. M. Morrison, L. J. Pietrafesa and A. Ochadlick, Analysis of oceanic internal waves from airborne SAR images, Journal of Coastal Research, Vol. 15, No. 4, 884 – 891, 1999. 16)Friedman, K., W. Pichel, P. Clemente-Colon, and Xiaofeng Li, Routine monitoring of changes in the Columbia Glacier, Alaska, with Synthetic Aperture Radar, Remote Sensing of Environment, 70, 257-264, 1999. 17)Cione, J., R. Neuherz, S. Raman, L. J. Pietrafesa, K. Keeter and Xiaofeng Li, The development and operational implementation of the Atlantic surface cyclone intensification index, Boundary Layer Meteorology, 89, 211-224, 1998. 18)W. Pichel, P. Clemente-Colon, K. Friedman, Lunsford, Leshkevich, Hufford, Neigh, Tseng, and Xiaofeng Li, Coastwatch applications of synthetic aperture radar imagery, Journal of Advanced Marine Science and Technology Society, Vol. 4, No. 2, 147-154, 1998. 5. INTERNATIONAL CONFERENCE PAPERS (SINCE 1998): 1)Li, Xiaofeng, M. He, K. Zeng, L. Wang, C. Zhao, W. Pichel, K. Friedman, P. Clemente-Colon, 2001, Analysis of oceanic long wave refraction at the Gulf Stream boundary using RADARSAT Synthetic Aperture Radar during Hurricane Bonnie, Proceedings of the International Geoscience and Remote Sensing Symposium 2001, Sydney, Australia, July 9-13, 3 pp. 2)Pichel, W., P. Clemente-Colon, K. Friedman, Xiaofeng Li, 2000, The Alaska SAR Demonstration: RADARSAT-1 Experience and ENVISAT plans. ERS-2/ENVISAT Symposium, October 16-20, 2000, Gothenburg, Sweden. 3)Li, Xiaofeng, P. Clemente-Colon, W. G. Pichel, P. Vachon, and K. S. 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Pichel, and Xiaofeng Li, Mesoscale oceanic and atmospheric feature detection through fusion of RADARSAT SAR with GOES/Imager data, International Geoscience and Remote Sensing Symposium, Vol. II, 907-909, Seattle, Washington, Oct. 1998.
6. MEMBERSHIP: American Geophysical Union (AGU) IEEEChinese-American Oceanic and Atmospheric Association (COAA) 7. HONORS/ACTIVITIES: 2001:Gave a keynote presentation at annual COAA conference in Washington DC. 2001:Served as committee member to supervise Ph.D. candidates in oceanography at College of Marine Studies, University of Delaware, U.S.A. 2001:Served as senior consultant for AmSoft International Inc. in Washington DC for environmental remote sensing issues. 2000:Invited and sponsored by

Ministry of Education (MOE) of China to teach remote sensing oceanography courses at graduate school of Ocean University of Qingdao and Ocean RemoteSensing Institute (National laboratory of Ministry of Education), carry out joint research projects, etc. 2000:Invited and sponsored by National Cheng Kung University of Taiwan to visit Coastal Ocean Monitoring Center of Taiwan.? 1999:Invited to give a remote sensing oceanography seminar at Graduate School of University of Delaware.