

Curriculum Vita

(5/2009)

Paul Liu

Tenure-track Associate Professor
North Carolina State University
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Education:

1997-2001 Ph.D., School of Marine Science, VIMS, College of William & Mary, USA
1992-1995 M.S., Institute of Oceanology, Chinese Academy of Sciences, Qingdao
1988-1992 B.S., College of Geo-Marine Sciences, Ocean University of China

Academic Positions:

2009.8- Associate Professor, North Carolina State University, Raleigh, NC,
2003-2009 Assistant Professor, North Carolina State University, Raleigh, NC, USA
2003: Post-doc at Woods Hole Oceanographic Institution (WHOI) , USA
2002: Post-doc research scientist, VIMS, College of William & Mary, VA, USA
2000 Visiting Lecturer, Geology Department, College of William & Mary
1997-2001 Research Assistant, VIMS, College of William & Mary, VA, USA
1995-1996 Teaching Demonstrator/Research Assistant, The University of Hong Kong

Editorial Boards

Marine Geology (2007-present)
Journal of Coastal Research (2007-present)
The Open Geology Journal (2008-present)
J. of Ocean University of China (2005-present)

Honors:

2003, Post-doc Scholar Fellowship at Woods Hole Oceanography Institution
2000, Virginia Power Teaching Award, VIMS
1997, Research Assistantship in William & Mary
1996, Hui Yin Hing Fellowships in Hong Kong
1995, Sino-British Fellowship Trust Fund
1992, Distinguished Graduate Student in the Chinese Academy of Sciences

Professional and Academic Societies :

Scientific Members:

American Geophysical Union (AGU)
American Association for the Advancement of Science (AAA)
New York Academy of Sciences
The Geological Society of America
Sigma Xi

Publications:

Liu, J.P., Liu, C.S., Xu, K.H., **Milliman, J.D.**, Chiu, J.K., Kao, S.J. Lin, S.W., 2008. Flux and fate of small mountainous rivers derived sediments into the Taiwan Strait. *Marine Geology* 256(1-4): 65-76.

Wang Z.H., **Liu, J.P.**, Zhao B.C., 2008. Holocene depocenter shift in the middle-lower Changjiang River basins and coastal area in response to sea level change, *Frontiers of Earth Science in China*, FES-08052-WZH.3d

Wang, H.J., Yang, Z.S., Wang, Y., Saito, Y. and **Liu, J.P.** (2008) Reconstruction of sediment flux from the Changjiang (Yangtze River) to the sea since the 1860s. *Journal of Hydrology*, Volume 349, Issues 3-4, pp. 318-332 (1 February 2008)

J.D. Milliman, S.W. Lin, S. J. Kao, **J. P. Liu**, C.S. Liu, J. K. Chiu and Y.C. Lin , 2007, Short-term Changes in Seafloor Character due to Flood-Derived Hyperpycnal Discharge: Typhoon Mindulle, Taiwan, July 2004. *Geology*, vol. 35, no.9, p.779-782.

Zhenxia Liu, Hua Yu, Serge Berné, Alain Trentesaux, Ping Yin, Chaoxing Li, **J. Paul Liu**, Guanghai Hu, Xiangqin Wang, Yoshiki Saito, 2007. Internal architecture and mobility of tidal sand ridges in the East China Sea, *Continental Shelf Research*, doi:10.1016/j.csr.2007.03.002

Liu, J.P., Xu, K.H., Li, A.C., Milliman, J.D., Velozzi, D.M., Xiao, S.B., Yang Z.S., 2007. Flux and Fate of Yangtze River Sediment Delivered to the East China Sea, *Geomorphology*, 85 (3-4), 208-224. 10.1016/j.geomorph.2006.03.023. Citation: 18

Yang, Z.S. and **Liu J.P.** *, 2007. A unique Yellow River derived distal subaqueous delta in the Yellow Sea. *Marine Geology*, 240, 169-176. doi:10.1016/j.margeo.2007.02.008.

* **Corresponding author**

- Houjie Wang, Zuosheng Yang, Y. Saito, **J. Paul Liu**, Xiaoxia Sun, 2007. Stepwise Decreases of the Huanghe (Yellow River) Sediment Load (1950-2004): Impacts of Climate Change and Human Activities, *Global and Planetary Change*, doi:10.1016/j.gloplacha.2007.01.003.
- Liu, J.P.** A.C. Li, K.H. Xu, D.M. Velozzi, Z.S. Yang, J.D. Milliman, D.J. DeMaster, 2006. Sedimentary features of the Yangtze River-derived along-shelf clinof orm deposit in the East China Sea, *Continental Shelf Research*, Vol. 26, pages 2141-2156. doi:10.1016/j.csr.2006.07.013. Citation: 8 (4/08)
- H.J. Wang, Z.S. Yang, Y. Saito, **J. P. Liu** and X.X. Sun, 2006. The Huanghe (Yellow River) water discharge over the past 50 years: Connections to impacts from ENSO events and dams. *Global and Planetary Change*, 50, 212-225. doi:10.1016/j.gloplacha.2006.01.005
- Shangbin Xiao, Anchun Li, J. Paul Liu, Muhong Chen, Fan Zheng, Qiang Xie, Fuqing Jiang, Tiegang Li, 2006. Coherence *between solar variability and the East Asian Monsoon during the past 7600 years*. *Palaeogeography, Palaeoclimatology, Palaeoecology*, Vol: 237, No. 2-4, page 293-304. doi:10.1016/j.palaeo.2005.12.003.
- Xiao, S.B., Li, A.C., Chen M.H., **Liu, J.P.**, Li, Q.Y., Jiang, F.Q., Li, T.G., Xie, Q., Xiang, R., Chen, Z., 2005. Recent 8 ka Mud Records of the East Asian Winter Monsoon from the Inner Shelf of the East China Sea. *Earth Science-Journal of China University of Geosciences*. Vol. 30 No. 5. 1-9
- Liu, J.P.** Milliman, J.D. S. Gao, P. Cheng, 2004. Sedimentary Processes of the Yellow River's early-Holocene subaqueous delta in the North Yellow Sea. *Marine Geology*, 209: 45-67. Citation: 49 (4/08)
- Liu, J.P.** and Milliman, J.D., 2004. Reconsidering Melt-water Pulses 1A and 1B: Global Impacts of Rapid Sea-level Rise. *Journal of Ocean University of China*, 3(3): 183-190. Citation: 7 (4/08)
- Liu, J.P.** Milliman, J.D. and Gao, S. 2002, The Shandong Mud Wedge and Holocene Sediment Accumulation in the Yellow Sea, *Marine-Geo Letters*, 21: 212-218. Citation: 24 (4/08)
- Liu, J.P.** Peng Cheng, Shu Gao, Katie Farnsworth and John D. Milliman, 1999, A preliminary report about the recent cruise in the North Yellow Sea and Bohai Strait. *Land-Sea Link in Asia*, 44-48.
- Cheng, P., Gao, S, **Liu, J.P.**, Guan, Z.Z., Wang, G.Z. and Milliman, J.D., 2001. Preliminary study of Holocene sediments distribution over the Northwestern Yellow Sea. *Quaternary Research*. 379.
- Z.S. Yang, J.D. Milliman, J. Galler, **J.P. Liu**, and X.G. Sun, 1998. Yellow River's Water and Sediment Discharge Decreasing Steadily, *EOS*, Vol.79, No. 48.

Yu, H.-J., **Liu, J.-P.**, Shan, Q.-M., 1998. Probe into the origin, development and evolution model of shelf desertizational environment in the last stage of Pleistocene. *Chin. J. Oceanol. and Limnol.* Vol.16, no.4. p326-332.

Zhao S.L, Yu H.J, **Liu J.P.**, 1997. Origin, development and evolutionary model of shelf desertization environment in late stage of Upper Pleistocene, *Science in China (D)*, Vol.40 No.2: 207-214.

Liu J.P. , 1996. Cold-dry environment extended into the shelf during the LGM period. *Marine Sciences*, 2:28-30.

Liu, J.P. S.L. Zhao, 1995. The origin of the exposed loess along coastal zone and the buried loess in the Bohai Sea bottom. *OCEANOLOGA ET LIMNOLOGIA SINICA*, 4:366-371.

Liu J.P., Lin Jing, 1995. The variation of Typhoon of the North-West Pacific during the Last Glacial Period and its Influence on the Shelf Environment, *Marine Sciences*, 5:26-28.

Liu J.P., Yu H.J, 1995. Origin of the buried and exposed loess in the China's coastal zone, Dedicated to 14th INQUA Congress Collection, Berlin, *Geological Hazards and Environmental Studies of China Offshore Areas*, 164-168.

Liu J.P., 1995. The paleoceanographic features in the northwest Pacific region during the LGM period, *Marine Sciences* 3:14-16.

Graduate Students:

David Velozzi (MS) (Graduated in May, 2005) ;
Jamie Wirth (MS) (co-advisor);
Yiyi Wong (Ph.D->MS.);
Xue Zuo (Ph.D.)
Keren Cepero (MS)

Committee Members:

Ph.D.

Cathy Thompson (PhD, NCSU)
Penny Ma (PhD, William and Mary)

M.A./M.S.

Kara Smith (MS. NCSU)

Visiting Scholars Hosted:

Prof. Yonggang Jia (OUC, China) -2007
Prof.. Hongxian Shan (OUC, China) -2007

Dr. Houjie Wang (OUC, China)	-2006
Dr. Neygen Van Lap (VAST, Vietnam)	-2005
Dr. Ta Oanh (VAST, Vietnam)	-2005
Dr. Fuqing Jiang (IOCAS, China)	-2005
Dr. Zhanghua Wang (ECNU, China)	-2005

Recent-year International Collaborative Activities:

Building the partnership with:

- 1) Ocean University of China;
- 2) East China Normal University;
- 3) National Taiwan University;
- 4) Vietnamese Academy of Science and Technology;
- 5) Inst. of Oceanology, Chinese Academy of Science.

Teaching Experiences and Courses :

For graduate students:

MEA 570 Geological Oceanography
 MEA 591/493 Major World River and Delta Systems;
 MEA 693 GIS applications in Marine and Earth Sciences

For Undergraduate students:

MEA140 Natural Hazards.
 MEA 250 Intro. To Coastal Environments;