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**Peer-Reviewed Publications**

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In Review:

**Harris, C.K.**, C.R. Sherwood, R.P. Signell, A. Bever, and J.C. Warner. Dispersal of sediment in the Adriatic Sea. In Review for the *Journal of Geophysical Research*, submitted Summer, 2006.

Warner, J.C., C.R. Sherwood, R.P. Signell, **C.K. Harris**, and H. Arango. Development of a three-dimensional, regional, coupled wave-, current-, and sediment-transport model. In Review for *Computers and Geosciences*, submitted Summer, 2006.

In Press:

Wheatcroft, R.A., P.L. Wiberg, C.R. Alexander, S.J. Bentley, D.E. Drake, **C.K. Harris** and A.S. Ogston. 2006. Post-depositional alteration and preservation of sedimentary strata. Chapter III of Continental Margin Sedimentation: From Sediment Transport to Sequence Stratigraphy, C. A. Nittrouer et al. (eds.), Blackwell Press, (in press).

Syvitski, J.P.M., L. Pratson, P. Wiberg, M. Steckler, M. Garcia, R. Geyer, **C. Harris**, E. Hutton, J. Imran, H. Lee, M. Morehead, and G. Parker. 2006. Prediction of Margin Stratigraphy. Chapter XI of *Continental-Margin Sedimentation: Transport to Sequence*, C. Nittrouer, et al. (eds), Blackwell Press, (in press).

Published since coming to VIMS from 2001 – 2006:

Kuehl, S., C. Alexander, L. Carter, L. Gerald, T. Gerber, **C. Harris**, J. McNinch, A. Orpin, L. Pratson, J. Syvitski, and J.P. Walsh. 2006. Understanding sediment transfer from land to ocean. *EOS, Transactions of the American Geophysical Union*, 87(29): 281, 286,

**Harris, C.K.**, P. Traykovski, and W.R. Geyer. 2005. Flood dispersal and deposition by near-bed gravitational sediment flows and oceanographic transport: A numerical modeling study of the Eel River shelf, northern California. *Journal of Geophysical Research*. 110(C09025): doi: 10.1029 / 2004JC002727.

Lee, C.M., F. Askari, J. Book, S. Carniel, B. Cushman-Roisin, C. Dorman, J. Doyle, P. Flament, **C.K. Harris**, B.H. Jones, M. Kuzmic, P. Martin, A. Ogston, M. Orlic, H.

Perkins, P. Poulain, J. Pullen, A. Russo, C. Sherwood, R.P. Signell, D. Thaler Detweiler. 2005. Northern Adriatic response to a wintertime Bora wind event, *EOS, Transactions of the American Geophysical Union*, 86(16): 157, 163, 165.

**Harris, C.K.**, P. Traykovski, and W.R. Geyer. 2004. Including a near-bed turbid layer in a three dimensional sediment transport model with application to the Eel River shelf, northern California. *Estuarine and Coastal Modeling; Proceedings of the Eighth International Conference*. M.L. Spaulding, et al. (editors), American Society of Civil Engineers. 784—803.

Sherwood, C.R., S. Carniel, L. Cavaleri, J. Chiggiato, H. Das, J. Doyle, **C.K. Harris**, A.W. Niedoroda, J. Pullen, C.W. Reed, A. Russo, M. Sclavo, R. Signell, P. Traykovski, and J. Warner. 2004. Sediment dynamics in the Adriatic Sea investigated with coupled models. *Oceanography*, 17(4): 58—69.

**Harris, C.K.**, B. Butman, and P. Traykovski. 2003. Winter-time circulation and sediment transport in the Hudson Shelf Valley. *Continental Shelf Research*, 23: 801—820.

**Harris, C.K.** and P.L. Wiberg. 2002. Across-shelf sediment transport: interactions between suspended sediment and bed sediment. *Journal of Geophysical Research*, 107(C1): 10.1029/2000JC000634.

Sherwood, C.R., **C.K. Harris**, W.R. Geyer, and B. Butman. 2002. Toward a community coastal sediment-transport modeling system: report of the second workshop. *EOS, Transactions of the American Geophysical Union*. 83(50): 604 – 605.

Wiberg, P.L., D.E. Drake, **C.K. Harris**, and M.E. Noble. 2002. Sediment transport on the Palos Verdes shelf over seasonal to decadal time scales. *Continental Shelf Research*, 22(6—7): 987-1004

Wiberg, P.L. and **C.K. Harris**. 2002. Desorption of p,p'-DDE from sediment during resuspension events on the Palos Verdes shelf, California: a modeling approach. *Continental Shelf Research*, 22(6—7): 1005-1023.

**Harris, C.K.** and P.L. Wiberg. 2001. A two-dimensional, time-dependent model of suspended sediment transport and bed reworking for continental shelves. *Computers and Geosciences*, 27: 675—690.

Published prior to coming VIMS:

Sherwood, C.R., R.P. Signell, C.K. Harris, and B. Butman. 2000. Workshop discusses community models for coastal sediment transport. *EOS, Transactions of the American Geophysical Union*, 81(43): 502.

- Harris, C.K. and R.P. Signell. 1999. Circulation and sediment transport in the vicinity of the Hudson Shelf Valley. *Estuarine and Coastal Modeling; Proceedings of the Sixth International Conference*. M.L. Spaulding, H.L. Butler (editors), American Society of Civil Engineers. 380-394.
- Signell, R.P. and C.K. Harris. 1999. Modeling sand-bank formation around a tidal headland. *Estuarine and Coastal Modeling; Proceedings of the Sixth International Conference*. M.L. Spaulding, H.L. Butler (editors), American Society of Civil Engineers. 209-222.
- Harris, C.K. and P.L. Wiberg. 1997. Approaches to quantifying long-term continental shelf sediment transport with an example from the northern California STRESS mid-shelf site. *Continental Shelf Research*, 17(11): 1389-1418.
- Wiberg, P.L. and C.K. Harris. 1994. Ripple geometry in wave-dominated environments. *Journal of Geophysical Research*, 99 (C1): 775-789.