

PUBLICATIONS/PRESENTATIONS UW

JOURNAL PAPERS

Apel, J. Badiy, M., Chiu, C.-S., Finette, S., Headrick, R., Kemp, J., Lynch, J., Newhall, A., Orr, M., Pasewark, B., Tielbueger, D., Turgut, A., von der Heydt, K., and Wolf, S., "An Overview of the 1995 SWARM Shallow Water Internal Wave Acoustic Scattering Experiment," *IEEE Journal of Oceanic Engineering*, 22(3), 465-500, 1997.

Chiu, C.-S., Miller, C.W., and Lynch, J.F., "Optimal Modal Beamforming of Bandpass Signals Using an Undersized, Sparse Vertical Hydrophone Array: Theory and a Shallow-Water Experimentation," *IEEE Journal of Oceanic Engineering*, 22(3), 522-533, 1997.

Rhyne, T.-M., Brutzman, D., and Macedonia, M., "Internetworked Graphics and the Web," *IEEE COMPUTER*, Vol. 30, No. 8, pp. 99-101, August 1997.

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Chiu, C.-S., Ng, S.-L., and Denner, W.W., "Estimating the Properties of the Sound Field in a Shelf Region near the Shelfbreak," *Proceedings of the 6th Western Pacific Regional Acoustics Conference*, Vol. 1, 329-334, 1997.

Muir, T.G., et al, "Seismic Interface Wave Sonar," *Proceedings of the Third Technological Conference of Underwater Acoustics*, The Institute of Marine Research of the Brazilian Navy, Ilha do Governador, Rio de Janeiro, Brazil, 23-24 September 1997.

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Apel, J., Badiy, M., Chiu, C.-S., Finette, S., Headrick, R., Kemp, J., Lynch, J., Newhall, A., Orr, M., Pasewark, B., Tielbueger, D., Turgut, A., von der Heydt, K., and Wolf, S., "The New Jersey Shelf Shallow-Water Acoustic Random Media Propagation Experiment (SWARM)," International Conference on Shallow-Water Acoustics, Beijing, China, 21-25 April 1997.

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Brutzman, D., "Tutorial: Virtual World for an Autonomous Underwater Vehicle (AUV)," IEEE Oceanic Engineering Society Conference OCEANS 97, Halifax, Nova Scotia, October 1997.

Beardsley, R.C., Brink, K.H., Caruso, M.J., Chiu, C.-S., Gawarkiewicz, G.G., Lynch, J.F., Miller, J.H., Pickart, R., Robinson, A.R., and Smith, K.B., "Shelfbreak PRIMER - An Integrated Acoustic and Oceanographic Field Study in the Middle Atlantic Bight," International Conference on Shallow-Water Acoustics, Beijing, China, 21-25 April 1997.

Brutzman, D.P., Chan, E., Evans, M., Holliday, T., Huck, M., Jezek, R., Ma, B.-B., Murley, S., Toland, R., and Yee, Y., "Minefield Search Tactic Evaluation Using Four Autonomous Manta UUVs," Symposium on Technology and the Mine Problem, Monterey CA, 6-10 April 1998.

Brutzman, D., Zyda, M., Watsen, K., and Macedonia, M., "Virtual Reality Transfer Protocol (vrtp) Design Rationale," Workshops on Enabling Technology: Infrastructure for Collaborative Enterprises (WET ICE): Sharing a Distributed Virtual Reality, Massachusetts Institute of Technology, Cambridge MA, 18-20 June 1997.

Chiu, C.-S., Lynch, J.F., Gawarkiewicz, G.G., Pickart, R.S., Sperry, B., Miller, J.H., Smith, K.B., and Robinson, A.R., "Measurement and Analysis of the Propagation of Sound from the Continental Slope to the Continental Shelf," 134th Meeting of the Acoustical Society of America, San Diego, CA, 1-5 December 1997.

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Chiu, C.-S., Ng, S.-L., and Denner, W.W., "Estimating Properties of the Sound Field in a Shelf Region Near the Shelfbreak," 6th Western Pacific Regional Acoustics Conference, Hong Kong, 19-21 November, 1997.

Chiu, C.-S., Miller, C.W., and Lynch, J.F., "Optimal Modal Beamforming of Bandpass Signals Using an Undersized, Sparse Vertical Hydrophone Array: Theory and a Shallow-Water Experimentation," 3rd International Conference on Theoretical and Computational Acoustics, Newark, NJ, 14-18 July 1997.

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Chiu, C.-S. and Lynch, J.F., "Acoustic Tomography in Shallow Water: Issues, Methods and Experimental Results," International Conference on Shallow-Water Acoustics, Beijing, China, 21-25 April 1997.

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Gawarkiewicz, G.G. Pickart, R., Lynch, J.F., Chiu, C.-S., Smith, K.B., and Miller, J.H., "The Shelfbreak Front PRIMER Experiment," 133rd Meeting of the Acoustical Society of America, State College, PA, 15-20 June 1997.

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Brutzman, D., "Graphics Internetworking: Bottlenecks and Breakthroughs," Chapter, *Digital Illusions*, ed: Clark Dodsworth, Addison-Wesley, Reading, MA, 1997.

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