

Publications in Two-Phase Flow

1. Lee, H., **C.-L. Lin**, and L. J. Weber, "Application of a Nonhydrostatic Model to Flow in a Free Surface Fish Passage Facility," *ASCE J. Hydraulic Engineering*, Vol. 134, No. 7, pp. 993-999, **2008**.
2. Kurtoglu, I. O. and **C.-L. Lin**, "Lattice Boltzmann Study of Bubble Dynamics," *Numerical Heat Transfer, Part B: Fundamentals*, Vol. 50 (4), pp. 333-351, **2006**.
3. **Lin, C.-L.**, H. Lee, T. Lee, and L. Weber, "A Level Set Characteristic Galerkin Finite Element Method for Free Surface Flows," *International Journal for Numerical Methods in Fluids*, Vol 49 (5), pp. 521-547, **2005**.
4. Lee, T. and **C.-L. Lin**, "A stable discretization of the lattice Boltzmann equation for simulation of incompressible two-phase flows at high density ratio," *Journal of Computational Physics*, Vol. 206, pp. 16-47, **2005**.
5. Yue, W., **C.-L. Lin**, and V. C. Patel, "Large Eddy Simulation of Turbulent Open-Channel Flows With Free-Surface Simulated By Level Set Method," *Physics of Fluids*, Vol. 17, pp. 025108:1-12, **2005**.
6. Yue, W., **C.-L. Lin**, and V.C. Patel, "Numerical Simulation of Unsteady Multidimensional Free Surface Motions by Level Set Method," *International Journal for Numerical Methods in Fluids*, Vol. 42 (8), pp. 853-884, **2003**.