



# National Center for Computational Hydroscience and Engineering

The University of Mississippi



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### **Publications**

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#### **Journals and Conference Papers:**

Kitamura, T., Jia, Y., Wang, S.S.Y., and Tsujimoto, T. (1999), "A Model for Bed Scour Induced Head-Cut," *Journal of Hydroscience and Hydraulic Engineering*, JSCE, Vol. 43, No. 2, pp. 611-616.

Jia, Y., and Sam S.Y. Wang (1999), "Simulation of Horse-Shoe Vortex Around a Bridge Pier," presented at and published in the *Proceedings of the International Water Resource Engineering Conference*, Seattle, Washington.

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Jia, Yafei and Sam S.Y. Wang (1998), "Numerical Modeling of Secondary Motion of Turbulent Flows in Compound Channels," *Water Resources Engineering Conference*, Vol. 2, pp. 1038-1043, ASCE, August.

Tsujimoto, T. and Kitamura, T. (1998), "Interaction Between River Bed Degradation and Growth of Vegetation in Gravel Bed River," Water Resources Engineering Conference, Vol. 2, pp. 580-585, ASCE, August.

Tsujimoto, T. and Kitamura, T. (1998), "A Model for Flow with Flexible Vegetation-Covered Bed," Water Resources Engineering, Vol. 2. pp. 556-561, ASCE, August.

Kitamura, T., Y. Jia, T. Tsujimoto, and S.S.Y. Wang (1998), "Sediment Transport Capacity in Channels with Vegetation Zone," Advances in Hydro-Science and Engineering, Vol. III, Abstract p. 196, University of Mississippi, USA and Brandenburg University of Technology, Germany, August. (Text on CD Rom)

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#### **Journal and Conference Papers:**

Jia, Y. and Wang, S.S.Y. (1997), "Numerical Simulation of Free Overfall," presented and published in the Proceedings of the Conference on Management of Landscapes Disturbed by Channel Incision, held in Oxford, Mississippi, pp 171-176.

Wang, S.S.Y. and Simões, Francisco (1997), "Three-Dimensional Modeling of Compound Channels with Vegetated Flood Plain," published in the Proceedings of the 27th IAHR Congress on Water for a Changing Global Community, pp 809-814, held in San Francisco, CA, August.

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#### **Journal and Conference Papers:**

Jia, Y., and Wang, S.S.Y. (1996), "A Modeling Approach to Predict Local Scour Around Spur Dike Like Structures," Proceedings of the 6th FISC, Vol. 1, pp. 90-97, Las Vegas, NV, March.

Dou, X. Jia, Y. and Wang, S.S.Y., (1996,) "Numerical Simulation of Bridge Abutment Scour Development," Proceedings of and presented at North American Water and Environment Congress in Anaheim, CA.

Kodama, T., Wang, S.S.Y., Kawahara, M. (1996), "Model Verification on 3D Tidal Current Analysis in Tokyo Bay," published in the International Journal for Numerical Methods in Fluids, Vol. 22, pp. 43-66.

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