

FY 2003 Peer-Reviewed Publications
Office of Hydrologic Development
(Hydrology Lab Scientists in Bold Font)

- Koren, V., Reed, S., Smith, M., and Zhang, Z.**, 2003. Combining physically-based and conceptual approaches in the development and parameterization of a distributed system. Information from Weather Radar and Distributed Hydrological Modeling, Proceedings of international symposium, IAHS Publication no. 282, Editors Tachikawa, Y., Vieux, B., and Georgakakos, K.P., 101-108.
- Koren, V., Smith, M., and Duan, Q.**, 2003. Use of a-priori parameter estimates in the derivation of spatially consistent parameter sets of rainfall-runoff models. In: Duan, Q., Gupta, H.V., Sorooshian, S., Rousseau, A.N., Turcotte, R., (Editors.) Calibration of Watershed Models, Water Science and Application 6, American Geophysical Union, Wash. D.C., 239-254
- Reed, S.**, 2003. Deriving flow directions for coarse resolution (1 - 4 km) gridded hydrologic modeling. *Water Resources Research*, Vol. 39, No. 9.
- Seo, D.-J., Koren, V., and Reed, S.**, 2003. Improving a priori estimates of hydraulic parameters in a distributed routing model via variational assimilation of long-term streamflow data. In: Information from Weather Radar and Distributed Hydrologic Modeling, IHAS Publication No. 282, Sapporo, Japan, pages 109-113, Editors Tachikawa, Y., Vieux, B., and Georgakakos, K.P.
- Seo, D., V. Koren, N. Cajina**, 2003. Real-time assimilation of radar-based precipitation data and streamflow observations into a distributed hydrologic model. In: Information from Weather Radar and Distributed Hydrological Modeling (Eds. Tachikawa Y., Vieux. B E., Georgakakos K. P) , IAHS Publ. No. 282, Sapporo, Japan, 2003, 138-142.
- Seo, D.-J., V. Koren, and N. Cajina**, 2003. Real-Time Variational Assimilation of Hydrologic and Hydrometeorological Data into Operational Hydrologic Forecasting. *Journal of Hydrometeorology*, Vol. 4, 2003, 627-641.
- Smith, M. B., Laurine, D. P., Koren, V.I., Reed, S.M., and Zhang, Z.**, 2003. Hydrologic model calibration in the National Weather Service. In: Duan, Q., Gupta, H.V., Sorooshian, S., Rousseau, A.N., Turcotte, R., (Editors.) Calibration of Watershed Models, Water Science and Application 6, American Geophysical Union, Wash. D.C., 133-152.
- Vieux, B and **Moreda, F.** 2003. Ordered Physics- Based parameter adjustment of a distributed model: In AGU Monograph advances in calibration of watershed models. In Calibration of Watershed Models, Water Science and Application Volume 6. Copyright 2003 by the American Geophysical Union, 267-281.
- Vieux, B., and **Moreda, F.**, 2003. Nutrient Loading Assessment in the Illinois River Basin Using a Synthetic Approach. *Journal of American Water Resources Association*. Vol. 39(4),757-769. August.

- Smith, M.B.**, 2004. The distributed model intercomparison project: Motivation and experiment design. *Journal of Hydrology DMIP Special Issue*
- Vieux, B and **Moreda, F.** Ordered Physics- Based parameter adjustment of a distributed model: In AGU Monograph advances in calibration of watershed models. In *Calibration of watershed models, water science and Application Volume 6*. Copyright 2003 by the American Geophysical Union P. 267-281.
- Vieux, B., and **Moreda, F.**, Nutrient Loading Assessment in the Illinois River Basin Using a Synthetic Approach. *Journal of American Water Resources Association*. . Vol. 39 4. P. 757-769. August 2003.
- Smith, M. B.**, Laurine, D. P., **Koren, V.I., Reed, S.M., and Zhang, Z.**, 2003. Hydrologic model calibration in the National Weather Service. In: **Duan, Q.**, Gupta, H.V., Sorooshian, S., Rousseau, A.N., Turcotte, R., (Editors.) *Calibration of Watershed Models, Water Science and Application 6*, American Geophysical Union, Wash. D.C., 133-152.