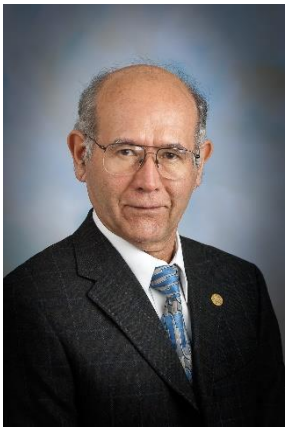
Results of the STAHY Best Paper Award 2016

The STAHY Best Paper Award 2016 is assigned to:

- Jose D. Salas, Colorado State University, USA
- Jayantha Obeysekera, South Florida Water Management District, USA



Jose D. Salas and Jayantha Obeysekera

for the paper:

Salas, J.D., Obeysekera, J. Revisiting the concepts of return period and risk for nonstationary hydrologic extreme events (2014) Journal of Hydrologic Engineering, 19 (3), pp. 554-568.

The STAHY Best Paper Award 2016 will be assigned during the STAHY'16 Conference - Quebec City, September 2016.

The STAHY Best Paper 2016 is the result of evaluation of the following 20 papers, selected among the 274 papers (published in 2012-2013-2014) present in ICSH website and ordered by citations (SCOPUS database, excluding self citations):

1. Westra, S., Alexander, L.V., Zwiers, F.W. Global increasing trends in annual maximum daily precipitation (2013) Journal of Climate, 26 (11), pp. 3904-3918. Cited 63 times.
2. Lorenzo-Lacruz, J., Vicente-Serrano, S.M., López-Moreno, J.I., Morán-Tejeda, E., Zabalza, J. Recent trends in Iberian streamflows (1945-2005) (2012) Journal of Hydrology, 414-415, pp. 463-475. Cited 43 times.
3. Hao, Z., AghaKouchak, A. Multivariate Standardized Drought Index: A parametric multi-index model (2013) Advances in Water Resources, 57, pp. 12-18. Cited 41 times.
4. Gŕaler, B., Van Den Berg, M.J., Vandenberghe, S., Petroselli, A., Grimaldi, S., De Baets, B., Verhoest, N.E.C. Multivariate return periods in hydrology: A critical and practical review focusing on synthetic design hydrograph estimation (2013) Hydrology and Earth System Sciences, 17 (4), pp. 1281-1296. Cited 35 times.
5. Salas, J.D., Obeysekera, J. Revisiting the concepts of return period and risk for nonstationary hydrologic extreme events (2014) Journal of Hydrologic Engineering, 19 (3), pp. 554-568. Cited 34 times.
6. Sonali, P., Nagesh Kumar, D. Review of trend detection methods and their application to detect temperature changes in India (2013) Journal of Hydrology, 476, pp. 212-227. Cited 34 times.
7. Bessa, R.J., Miranda, V., Botterud, A., Zhou, Z., Wang, J. Time-adaptive quantile-copula for wind power probabilistic forecasting (2012) Renewable Energy, 40 (1), pp. 29-39. Cited 32 times.

8. Tabari, H., Kisi, O., Ezani, A., Hosseinzadeh Talaee, P. SVM, ANFIS, regression and climate based models for reference evapotranspiration modeling using limited climatic data in a semi-arid highland environment (2012) Journal of Hydrology, 444-445, pp. 78-89. Cited 30 times.
9. Gilroy, K.L., McCuen, R.H. A nonstationary flood frequency analysis method to adjust for future climate change and urbanization (2012) Journal of Hydrology, 414-415, pp. 40-48. Cited 30 times.
10. Hagspiel, S., Papaemannouil, A., Schmid, M., Andersson, G. Copula-based modeling of stochastic wind power in Europe and implications for the Swiss power grid (2012) Applied Energy, 96, pp. 33-44. Cited 26 times.
11. Kisi, O., Shiri, J., Tombul, M. Modeling rainfall-runoff process using soft computing techniques (2013) Computers and Geosciences, 51, pp. 108-117. Cited 25 times.
12. Jongman, B., Hochrainer-Stigler, S., Feyen, L., Aerts, J.C.J.H., Mechler, R., Botzen, W.J.W., Bouwer, L.M., Pflug, G., Rojas, R., Ward, P.J. Increasing stress on disaster-risk finance due to large floods (2014) Nature Climate Change, 4 (4), pp. 264-268. Cited 23 times.
13. Ishak, E.H., Rahman, A., Westra, S., Sharma, A., Kuczera, G. Evaluating the non-stationarity of australian annual maximum flood (2013) Journal of Hydrology, 494, pp. 134-145. Cited 33 times.
14. Piani, C., Haerter, J.O. Two dimensional bias correction of temperature and precipitation copulas in climate models (2012) Geophysical Research Letters, 39 (20), art. no. L20401, . Cited 23 times.
15. Hao, Z., Aghakouchak, A. A nonparametric multivariate multi-index drought monitoring framework (2014) Journal of Hydrometeorology, 15 (1), pp. 89-101. Cited 22 times.
16. Istanbulluoglu, E., Wang, T., Wright, O.M., Lenters, J.D. Interpretation of hydrologic trends from a water balance perspective: The role of groundwater storage in the Budyko hypothesis (2012) Water Resources Research, 48 (1), art. no. W00H16, . Cited 24 times.
17. Hu, Y., Maskey, S., Uhlenbrook, S. Trends in temperature and rainfall extremes in the Yellow River source region, China (2012) Climatic Change, 110 (1-2), pp. 403-429. Cited 22 times.
18. Hannaford, J., Buys, G., Stahl, K., Tallaksen, L.M. The influence of decadal-scale variability on trends in long European streamflow records (2013) Hydrology and Earth System Sciences, 17 (7), pp. 2717-2733. Cited 21 times.
19. Rougé, C., Ge, Y., Cai, X. Detecting gradual and abrupt changes in hydrological records (2013) Advances in Water Resources, 53, pp. 33-44. Cited 21 times.
20. Zhang, Q., Singh, V.P., Peng, J., Chen, Y.D., Li, J. Spatial-temporal changes of precipitation structure across the Pearl River basin, China (2012) Journal of Hydrology, 440-441, pp. 113-122. Cited 21 times.
21. Zhang, Q., Singh, V.P., Li, J., Jiang, F., Bai, Y. Spatio-temporal variations of precipitation extremes in Xinjiang, China (2012) Journal of Hydrology, 434-435, pp. 7-18. Cited 21 times.
22. Tramblay, Y., Badi, W., Driouech, F., El Adlouni, S., Neppel, L., Servat, E. Climate change impacts on extreme precipitation in Morocco (2012) Global and Planetary Change, 82-83, pp. 104-114. Cited 21 times.

*these papers are excluded from the evaluation procedure since one of the authors is part of the Award Committee.