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**Wen-Xiu Ma\*** ([mawx@cas.usf.edu](mailto:mawx@cas.usf.edu)), 4202 E Fowler Avenue, Department of Mathematics and Statistics, University of South Florida, Tampa, FL 33620. *Riemann Hilbert problems of soliton equations.*

The talk aims to discuss a kind of Riemann-Hilbert problems on the real axis for soliton equations, based on their matrix spectral problems. Specific Riemann-Hilbert problems, whose jump matrices are the identity matrix, are solved to generate soliton solutions. An illustrative example is a multicomponent system of modified KdV equations associated with an arbitrary order matrix spectral problem. (Received February 16, 2018)