1126-35-6   **Tien Khai Nguyen*** (`tnguye13@ncsu.edu`), North Carolina State University, Raleigh, NC 27606, and **Alberto Bressan**, Penn State University, State College, PA 16802. *Global Existence of Weak Solutions for the Burgers-Hilbert Equation.*

The Burgers-Hilbert equation has been derived by J. Biello and J. Hunter as a model for nonlinear waves with constant frequency. This talk will present some recent results (in collaboration with Alberto Bressan). Namely: the global existence of entropy weak solutions, a priori estimates in L^2 and in L^∞, and a uniqueness result in the spatially periodic case (Received September 13, 2016)