

1086-35-1976      **Alex Himonas\*** ([himonas.1@nd.edu](mailto:himonas.1@nd.edu)), Department of Mathematics, University of Notre Dame,  
Notre Dame, IN 46556. *On the Cauchy problem of a class of integrable equations.*

We shall discuss well-posedness and regularity properties for a class of integrable equations that include the Camassa-Holm, the Degasperis-Procesi, the Novikov and the KdV equations. (Received September 24, 2012)