**MICHEL GRUNDLAND**, Université du Québec à Trois-Rivières, Département de Mathématiques d'Informatique *Quasi-rectifiable Lie algebras and Riemann k-wave solutions of hydrodynamic-type systems* 

A new approach to construction of multiple Riemann wave solutions of a hyperbolic system of partial differential equations is presented. For this purpose a concept of families of quasi-rectifiable vector fields is introduced and the related quasi-rectifiable Lie algebras are employed. The procedure for obtaining k-wave solutions is illustrated by examples of fluid dynamics systems.