1145-35-1187   **Luiz G Farah*** (`lgfarah@gmail.com`), UFMG - ICEx - Dep. Matemática, Av. Antônio Carlos, 6627 - Caixa Postal 702, CEP: 31270-901, Belo Horizonte, MG 30380300, Brazil. *On the supercritical gKdV equation.*

In this talk, I plan to discuss some results for the supercritical gKdV equation, such as well-posedness, existence of maximizers for Airy-Strichartz inequalities, concentration of blow-up solutions and scattering. These results were obtained in collaboration with Ademir Pastor, Brian Pigott, Felipe Linares, Henrique Versieux and Nicola Visciglia. (Received September 19, 2018)