1167-53-264 **Ronan J Conlon***, 800 W Campbell Rd, Richardson, TX 75080-3021, and **Alix Deruelle**.
Steady gradient Kahler-Ricci solitons.

A complete Kähler metric g on a Kahler manifold M is a *steady gradient Kähler-Ricci soliton* if there exists a smooth real-valued function $f : M \to \mathbb{R}$ with $\nabla^g f$ holomorphic such that $\mathrm{Ric}(g) = \mathrm{Hess}(f)$. I will present a theorem of existence and uniqueness for such metrics. This is joint work with Alix Deruelle (Sorbonne). (Received March 08, 2021)