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and **Luca Ugaglia**. *Blown-up toric surfaces with non-polyhedral effective cone.*

I will report on recent joint work with Antonio Laface, Jenia Tevelev and Luca Ugaglia, constructing examples of projective toric surfaces whose blow-up at a general point has a non-polyhedral pseudoeffective cone, both in characteristic 0 and in prime characteristic. As a consequence, we prove that the pseudo-effective cone of the Grothendieck-Knudsen moduli space of stable,  $n$ -pointed, rational stable curves, is not polyhedral if  $n \geq 10$  in characteristic 0 and in positive characteristic for an infinite set of primes of positive density. (Received January 10, 2021)