1153-14-344 **Jeff Achter*** (achter@math.colostate.edu), Department of Mathematics, Colorado State University, Fort Collins, CO 80523-1874, and **Sebastian Casalaina-Martin** and **Charles Vial**.
Algebraic representatives are arithmetic.

The intermediate Jacobian of a complex projective variety X succinctly answers the question, *What abelian variety best models the cohomology of X*? Although the arithmetic nature of the intermediate Jacobian has recently been secured, it is still a resolutely characteristic-zero construction. In this talk, I'll explain an alternative approach, based on Murre's theory of algebraic representatives (for algebraically trivial cycles), which also works in positive characteristic, and indicate some applications to the arithmetic and geometry of varieties. (Received September 01, 2019)