

Abstract of Oberwolfach Workshop
Singularities and Homological Aspects of Commutative Algebra
February 10 - February 16, 2019

Organizers:

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Commutative algebra has recently witnessed a number of spectacular developments: these include the resolution of long-standing problems. The new techniques and perspectives, such as methods from K-theory, and from the theory of perfectoid spaces, are leading to an extraordinary transformation in the field. There is also remarkable progress on the study of singularities in positive characteristics, and in particular on the problem of resolution of singularities. The workshop will bring together researchers driving these developments with a broader group of young researchers in commutative algebra and allied fields, with the aim of spurring new collaborations and progress.