## BRIAN HARBOURNE, University of Nebraska-Lincoln

The concept of geproci subsets of P3

The occurrence of finite subsets Z of P3 whose general projection to P2 is a complete intersection was raised in 2011 by F. Polizzi. Such sets are now called geproci sets. One example: a complete intersection in a plane. Another example: grids of lines. Other examples became known only in 2018 as a by-product of work on unexpected surfaces, in turn motivated by work on hyperplane arrangements. I will survey how geproci developed, how it relates to unexpectedness and discuss some recent results.