

Aldo Conca: **Multigraded ideals with a radical gin**

I will report on a project with Emanuela De Negri and Elisa Gorla related to the study of multigraded ideals with a radical generic initial ideal. Our main new result is that if a multigraded ideal has a radical multigraded generic initial ideal then the same is true for every multigraded hyperplane section and for every multigraded projection. Connection to universal Gröbner bases for determinantal ideals, Koszul algebras associated to subspaces configurations and to ideals associated to the multiview varieties of Aholt, Sturmfels and Thomas will be discussed.