Mathai Varghese (University of Adelaide, Adelaide)

 $New\ deformations\ of\ geometric\ elliptic\ complexes$

Abstract: I will discuss new deformations of well known geometric elliptic complexes. As a consequence, I will define new secondary invariants for these deformed complexes that are metric independent, and explore some consequences and applications. This is joint work with Siye Wu, and another joint work with Moulay Benameur.