Mustafa Kalafat (U Bonn):
Minimal submanifolds, spectra and stability in Einstein manifolds

We compute the index and nullity for minimal submanifolds of some complex Einstein spaces. We investigate the stability of these minimal submanifolds and suggest a criterion for instability for some cases. We also compute some higher eigenvalues for the Laplacian of the Berger spheres and provide with an algorithm. This is a joint work with Kelekçi and Taşdemir.