

Joint Seminar: DFT (IFIN-HH) & "Geometry&Physics@DFT" (IFIN-HH)
([Geometry&Physics Homepage](#)) ([DFT Seminars webpage](#))

Date: Thursday, May 18, 2023, 12:00 noon

Location: DFT seminar room, DFT building, Atomistilor 407, Magurele 077125

Speaker: **Prof. Claude Warnick** (Cambridge University)

Title: **Quasinormal modes of black holes**

Abstract: During its ringdown phase a perturbed black-hole produces radiation at characteristic (complex) frequencies, much like the normal frequencies of a guitar string. These quasinormal frequencies carry information about the geometry of the black hole. In this talk I will review the problem of finding quasinormal frequencies, and discuss recent work which realises quasinormal frequencies as eigenvalues of a natural non-self adjoint operator associated with time evolution.