

SEMINAR Geometry&Physics@DFT ([Geometry&Physics Homepage](#))

Date: Wednesday, Jan. 24, 2024, 15:00 Bucharest time

Location: online, via Zoom

Speaker: **Dr. Ana-Maria Raclariu** (University of Amsterdam)

Title: **Higher spin symmetry and celestial holography**

Abstract: In this talk I will discuss efforts in formulating a holographic correspondence for gravity in four-dimensional asymptotically flat spacetimes. The proposed dual theory lives on a two-dimensional celestial sphere and is constrained by a wide range of symmetries. I will highlight the spacetime interpretation of these new symmetries. In particular, I will show that the asymptotic Einstein equations yield a tower of charges that realize an infinite higher-spin symmetry algebra on a sector of the gravitational phase space.