

**Seminar:** “Geometry&Physics@DFT”

**Location :** DFT Seminar Room  
([Seminar Homepage](#)) ([Indico Page](#))

**Date:** Friday, December 11, 2015, 11:00 AM

**Title:** **De Sitter Space in Gauge/Gravity Duality**

**Speaker:** **Dr. Lilia Anguelova** (INRNE, Sofia)

**Abstract:** I will discuss the study of strongly-coupled gauge theories living in dS space via gauge/gravity duality. More precisely, I will consider a five-dimensional consistent truncation of type IIB supergravity, which encompasses the gravity duals of a wide variety of strongly-coupled gauge theories. I will describe solutions of this effective 5d theory, which have a 4d dS spacetime and nontrivial profiles for some of the scalars along the fifth (radial) direction. Finally, I will discuss the implications of these solutions for building gravity duals of Glueball Inflation.