

Seminar: "Geometry&Physics", DFT (IFIN-HH)
([Seminar Homepage](#)) ([Indico Page](#))

Location: IMAR (in the Algebraic Geometry group seminar), room 306 C. Banică

Date: Thursday, July 13, 2017, 10:15 AM

Title: **Open-closed B-type Landau-Ginzburg models with non-compact Kählerian target spaces**

Speaker: **Dr. Calin Lazaroiu** (IBS-CGP, Pohang)

Abstract: "I give the general formulation of the algebraic datum corresponding to open-closed B-type topological Landau-Ginzburg models defined by a pair (X, W) , where X is a non-compact Kählerian manifold and W is a complex-valued holomorphic function defined on X and whose critical set is compact. The datum is extracted from a cochain-level model which is constructed explicitly in geometric terms. I also discuss the status of a few conjectures regarding this model and point out a few directions for further mathematical research."