

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

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

*Date:* Tuesday, March 19, 2019, 10:00 AM

*Title:* **About invariant metrics on homogenous spaces attached to the Jacobi group**

*Speaker:* **Dr. Stefan Berceanu** (IFIN-HH, DFT)

*Abstract:* "The semidirect product of the Heisenberg group  $H_n$  with  $Sp(n, R)$  is called Jacobi group  $G_n^J$  and has important applications in Physics and Mathematics. The real Jacobi group  $G_1^J(R)$  is embedded in the group  $Sp(2, R)$ , realized as group of  $4 \times 4$  matrices. We study the left invariant metrics on  $SL(2, R)$ , the 4-dimensional Siegel-Jacobi upper half plane, a 5-dimensional manifold, called extended Siegel-Jacobi upper half-plane, and the 6-dimensional Jacobi group."