Seminar: "Geometry&Physics@DFT"

Location: DFT seminar room (IFIN-HH),
(http://events.theory.nipne.ro/gap/index.php/seminar)
(http://www.nipne.ro/indico/categoryDisplay.py?categId=5)

Date: Friday, 25 July 2014, 11 am

Title: **Dissipative vector fields and applications to stability theory**

Speaker: **Dr. Razvan TUDORAN** (UVT, Timisoara)

Abstract: "The purpose of this talk is to present from a dynamical-geometrical perspective the class of smooth vector fields (defined on a finite dimensional smooth Riemannian manifold) that admit a given set of first integrals, and dissipate an a-priori given set of scalar quantities, with prescribed dissipation rates. As application, we provide a method to construct dissipative perturbations of completely integrable systems in order to control the stability of periodic orbits."