

*Seminar:* "Geometry&Physics"  
(<http://events.theory.nipne.ro/gap/index.php/seminar>)

*Location:* seminar room 306, Simion Stoilov Institute of Mathematics of the Romanian Academy (IMAR), 21 Calea Grivitei Street, Bucharest,

*Date:* Thursday, 6 February 2014, 10:30 am

*Title:* **Singularities and integrability of birational dynamical systems on the projective plane**

*Speaker:* **Dr. Stefan CARSTEA**  
(Geometry and Physics Group, DFT, IFIN-HH)

*Abstract:* "We discuss the integrability of two dimensional birational mappings using the dynamics of blow ups on the projective plane. We shall focus on non-QRT mappings and Hirota-Kimura discretizations of reduced Nahm equations. Extensions to the case of tropical dynamical systems are discussed"