

Seminar: "Geometry&Physics, DFT"
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Location: seminar room 306, IMAR, Bucharest

Date: Thursday, 19 March 2015, 10:15 am

***Title:* Lattice supersymmetric Korteweg de Vries equation –
Bilinear formalism, solutions and reductions to super-QRT
mappings**

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

Abstract: "The integrable discretization (lattice version) of supersymmetric KdV equation is discussed. Starting from the super-bilinear form of the continuous one it is constructed a general discrete bilinear super-form and the general N-supersoliton as well. Then the reduction to ordinary super-difference equations is discussed together with Lax formalism and blow up analysis on the projective space."