



ANNUAL MEETING

Department of Differential Equations and Mathematical Physics

December 13, 2017

Room 478

- 14:00-14:15 **A.Slavova, G.Bobeva**, *Application of local activity method for CNN with Memristors*
- 14:15-14:30 **P.Popivanov**, *Subelliptic estimates for pseudodifferential operators with big loss of smoothness*
- 14:30-14:45 **N. Kutev, N.Kolkovska, M.Dimova**, *Necessary and sufficient conditions for blow up of the solutions of Boussinesq equation*
- 14:45-15:00 **V.Gerdjikov**, *Models of the type of Kulish-Sklianin: integrability and reductions*
- 15:00-15:15 **I.Iliev**, *Weakened 16th Hilbert's problem*
- 15:15-15:30 **G.Boyadzhiev**, *Comparison principle for elliptic and parabolic systems*
- 15:30-15:45 **T.Valchev**, *On some multicomponent equations of the type of Heisenberg's ferromagnetism*
- 15:45-16:00 **M.Tarulli**, *Asymptotic behavior of nonlinear evolution equations*

- 16:00-16:15 **A.Stefanov**, *On two component nonlinear Schrödinger equations with derivatives*
- 16:15-16:30 **V.Tincev**, *On the common points of two families of N-spheres*
- 16:30-16:45 **Y.Markov**, *On application of HTM neural networks*