UNIVERSITY OF CYPRUS

DEPARTMENT OF MATHEMATICS AND STATISTICS

Third Workshop in
Group Analysis of Differential Equations — Integrable Systems
Thursday, 4th & Friday, 5th of October, 2007

Programme

Thursday, 4th of October, 2007

Chairperson: P.A. Damianou

10.00–10.45: A. Nikitin, Institute of Mathematics of NAS of Ukraine
More on Galilean invariance

10.45–11:15: C.A. Pallikaros, University of Cyprus
Symmetric group: subsequences and representations

11:15–11:45: Coffee break

Chairperson: H. Sabourin

11:45–12:15: F. Petalidou, University of Peloponnese, Greece
On the geometric quantization of twisted Poisson manifolds

12:15–12:45: A. Tersenov, Sobolev Institute of Mathematics, Novosibirsk, Russia
Sufficient conditions for nonexistence of gradient blow-up for nonlinear parabolic equations

12:45–13:00: O. Vaneeva, Institute of Mathematics of NAS of Ukraine
Group classification via mapping between classes

13:00–13:15: C. Tsaousi, University of Cyprus
Differential invariants for n-dimensional hyperbolic equations
Friday, 5th of October, 2007

Chairperson: A. Nikitin

10.00–10.45: H. Sabourin, Universite de Poitiers, France
Some nice properties of the minimal nilpotent adjoint orbit in a semi-simple Lie algebra

10:45–11:15: R. Popovych, Universität Wien, Austria
Potential symmetries of multidimensional equations

11:15–11:45: Coffee break

Chairperson: N. Ivanova

11:45–12:15: Y. Christodoulides, University of Cyprus
Darboux polynomials and first integrals of Lotka-Volterra systems in three dimensions

12.15–12.45: M. Christou, University of Cyprus
Numerical investigation of solitary wave problems in infinity domains

12.45–13.00: E. Demetriou, University of Cyprus
Group Analysis of 2+1 and 3+1 Diffusion-Convection Equations

13.00–13.15: K. Konstandinides, University of Cyprus
Algebraic integrability of Lotka Volterra equations in three dimensions

13.15–13.30: Discussion

Lectures will take place in the seminar room B129, Building ΘΕΕ 2 (Department of Chemistry).