

UNIVERSITY OF CYPRUS



DEPARTMENT OF MATHEMATICS AND STATISTICS

Workshop in
Group Analysis of Differential Equations — Integrable Systems
Thursday, 27th of October, 2005

Programme

Chairperson: **P.A. Damianou**

9.30–10.00: **E. Demetriou**, University of Cyprus

Applications of Lie symmetries to DE

10.00–10.30: **O. Vaneeva**, Institute of Mathematics of NAS of Ukraine

Nonclassical and potential symmetries of PDEs

10.30–11.00: **A.G. Johnpillai**, Eastern University, Sri Lanka

Nonclassical potential symmetries of PDEs

11.00–11.30: Coffee break

Chairperson: **D. Papageorgiou**

11.30–12.00: **R.O. Popovych**, Institute of Mathematics of NAS of Ukraine

Symmetries and Conservation Laws

12.00–12.30: **M. Agrotis**, University of Cyprus

Prolongation Loop Algebras

12.30–13.00: **M. Christou**, University of Cyprus

Introduction to Solitons

13.00–15.00: Lunch

Chairperson: **R.O. Popovych**

15.00–15.30: **P.A. Damianou**, University of Cyprus

Hamiltonian approach to Jacobi Elliptic functions

15.30–16.00: **D. Papageorgiou**, New Jersey Institute of Technology, USA

Asymptotic derivation of KdV equation

16.00–16.30: **C. Sophocleous**, University of Cyprus

Laplace-type invariants

16.30–17.00: Discussion

Lectures will take place in the seminar room **038** in the department of Mathematics and Statistics.