

**Conference "State-of-the-art in the classical separability theory for differential equations"  
January 6 –11, 2004**

*Department of Mathematics, Linköping University, Sweden*

**WEDNESDAY January 7**

- 9.00 – 9.15 The President of Linköping University, Professor Mille Millnert, opens the Conference.  
9.20 – 10.10 Sergio Benenti "Torsionless conformal Killing tensors and orthogonal separation"  
10.10 – 11.00 Willard Miller Jr. "Variable separation in mathematical physics: From intuitive concept to computational tool."

**Coffee break**

- 11.15 – 11.45 Giovanni Rastelli "From eigenvalues of Killing tensors to separable coordinates in pseudoRiemannian manifolds"  
11.45 – 12.15 Claudia Chanu "Conformal Killing tensors and separation of variables for the Hamilton-Jacobi equation with fixed value of the energy"

**Lunch**

- 14.00 – 14.30 Francesco Calogero "Isochronous systems"  
14.30 – 15.00 Edwin Langmann "On the elliptic (quantum) Calogero-Sutherland model"

**Conference Dinner in Mjällerumsgården at 18:00**

**THURSDAY January 8**

- 8.45 – 9.35 Ernie Kalnins "Separation of variables for spaces of constant curvature."  
9.35 – 10.25 Pavel Winternitz "Integrability and superintegrability without separation of variables"

**Coffee break**

- 10.45 – 11.15 Manuel Ranada "Separable potentials in spaces of constant curvature".  
11.15 – 11.45 Mariano Santander "Separability in Spaces of constant curvature: II Some Geometrical problems related with Separability on the two-dimensional Sphere and the Hyperbolic plane"  
11.45 – 12.15 Ljudmila Bordag "Quasi periodic vortex structures in two-dimensional flows in an inviscid incompressible fluids"

**Lunch**

- 14.00 – 14.50 Alexander Shapovalov "Selected topics in classical separation of variables and applications"  
14.50 – 15.20 Vladislav Bagrov "Separation of variables and classification of Stäckel spaces in gravitation theory"

**FRIDAY January 9**

- 8.45 – 9.35 Evgeny Sklyanin "Q-operator and separation of variables"  
9.40 – 10.30 Igor Komarov "Some features of separation of variables in classical and quantum integrable systems"

**Coffee break**

- 10.50 – 11.30 Stefan Rauch-Wojciechowski "Solution of the Jacobi problem of separation of variables and theory of quasipotential Newton equation"  
11.35 – 12.05 Hans Lundmark "Driven Newton equations and separable time-dependent potentials"

**Lunch**

- 14.00 – 14.30 Claes Waksjö "Separation of quasi-potential Newton equations and cofactor-elliptic coordinates"  
14.30 – 15.00 Krzysztof Marciniak "Separation of variables for triangular cofactor systems"  
15.00 – 15.30 Kjell Rosquist "Integrability from a geometric point of view"

**SATURDAY January 10**

- 8.45 – 9.35 Franco Magri "The Kowalewski method"  
9.35 – 10.25 Willy Sarlet "Bi-quasi Hamiltonian systems"

**Coffee break**

- 10.45 – 11.15 Giorgio Tondo "Generalized Lenard chains and separation of variables"  
11.15 – 11.45 Marco Pedroni "Separability and Stäckel separability: a bi-Hamiltonian viewpoint"  
11.45 – 12.15 Gregorio Falqui "Gaudin Models and Bending Flows: a geometrical set-up"

**Lunch**

- 14.00 – 14.30 Maciej Blaszk "Classification and systematic construction of Stäckel systems"  
14.30 – 15.00 Boris Samsonov "Separation of variables in the Laplace-Beltrami equation in a flat space"  
15.00 – 17.00 Panel discussion on the most important problems and further directions of research in separability theory for differential equations