

# THE ABEL SYMPOSIUM 2008



## Differential equations: Geometry, Symmetries and Integrability

17-21 June, 2008, Tromsø, Norway



*Sophus Lie seminar  
at the University of Tromsø*



*The following topics will be emphasized:*

- Geometric methods in integrability of differential equations,
- The role of symmetries, conservation laws, differential invariants and their generalizations,
- Evolution equations, geometric analysis and non-linear dynamics on solution spaces,
- Geometric structures, Lie equations and the global behavior of solutions,
- Hamiltonian and celestial mechanics, mathematical physics.

*More details:* <http://abelsymposium.no/2008>



*Organizing and scientific committee:*

- Ian Anderson (Logan)
- Alain Chenciner (Paris)
- Boris Kruglikov (Tromsø)
- Demeter Krupka (Olomouc)
- Valentin Lychagin (Tromsø)
- Eldar Straume (Trondheim)

## The list of participants:

Alain Albouy (Paris, France) • Ian Anderson (Logan, USA) • David Blazquez (Barcelona, Spain) • Ugo Bruzzo (Trieste, Italy)  
Andreas Cap (Vienna, Austria) • Alain Chenciner (Paris, France) • Philippe Delanoe (Nice, France)  
Boris Dubrovin (Trieste, Italy) • Tor Flå (Tromsø, Norway) • Vladislav Goldberg (New Jersey, USA)  
Michael Hazewinkel (Bussum, Netherlands) • Wu-Yi Hsiang (Berkeley, USA) • Hilja Lisa Huru (Oslo, Norway)  
Marte Høyem (Tromsø, Norway) • Nail Ibragimov (Blekinge, Sweden) • Per Jakobsen (Tromsø, Norway)  
Cathrine Jensen (Tromsø, Norway) • Niky Kamran (McGill, Canada) • Joseph Krasilshchik (Moscow, Russia)  
Boris Kruglikov (Tromsø, Norway) • Demeter Krupka (Olomouc, Czech Republic) • Boris Kupershmidt (Tullahoma, USA)  
Alexey Kushner (Astrakhan, Russia) • Valentin Lychagin (Tromsø, Norway) • Bernard Malgrange (Grenoble, France)  
Andrei Marshakov (Moscow, Russia) • John Mather (Princeton, USA) • Vladimir Matveev (Jena, Germany)  
Einar Mjøllhus (Tromsø, Norway) • Sergei Merkulov (Stockholm, Sweden) • Richard Moeckel (Minneapolis, USA)  
Juan Morales-Ruiz (Barcelona, Spain) • Jesús Rodríguez (Salamanca, Spain) • Vladimir Roubtsov (Angers, France)  
Martín Rypdal (Tromsø, Norway) • Mahdi Khajeh Salehani (Trondheim, Norway) • Alexey Samokhin (Moscow, Russia)  
Eldar Straume (Trondheim, Norway) • Lars Sydnes (Trondheim, Norway) • Per Tomter (Oslo, Norway)  
Alexander Verbovetsky (Moscow, Russia) • Raffaele Vitolo (Lecce, Italy) • Keizo Yamaguchi (Hokkaido, Japan)