

Second Announcement and Call for Papers  
*Attention: Deadline for submissions extended to July 29!*

## **Workshop on Global Integrability of Field Theories and Applications GIFT 2006**

November 1-3, 2006

Cockcroft Institute, Daresbury, UK  
<http://www.lancs.ac.uk/cockcroft-institute/>

### **Scope and Topics**

Differential equations occupy a central place in much current research in physics and mathematics; in particular, the question of their integrability has remained an open challenge for many centuries. Since then, many tools have been developed which have a bearing on this challenge; these include aspects of algebra, geometry, topology and computer science. This interdisciplinary conference aims to bring together researchers from all these fields and to explore new avenues for their application in physics and applied mathematics. One objective is to foster links between abstract theory and the treatment of specific problems of relevance to physics and allied sciences.

Within this scope papers are invited that include (but are not restricted to) the following topics:

- Algebraic or Geometric Approaches to Differential Equations and Field Theories
- Perturbative and Asymptotic Methods
- Singularity Analysis
- Nonlinear Electrodynamics and Gauge Theories
- Constrained Dynamics
- Integrable Systems
- Local and Global Symmetries
- Differential Galois Theory
- Spencer Cohomology and Effective Homology
- Normal Forms
- Differential Algebraic Equations
- Involutive Bases

### **Program Committee**

J. Calmet (Karlsruhe)  
B. Kruglikov (Tromsø)  
B. Malgrange (Grenoble)  
J.J. Morales Ruiz (Barcelona)  
C. Peters (Grenoble)  
E. Paul (Toulouse)

J.P. Ramis (Toulouse)  
J. Rubio (Logroño)  
W.M. Seiler (Heidelberg)  
J.A. Sanders (Amsterdam)  
F. Sergeraert (Grenoble)  
R.W. Tucker (Lancaster, Chair)

## Invited Speakers

E. Hubert (Sofia Antipolis)  
V.V. Lychagin (Tromsø)  
R.F. Streater (London)

## Conference Web Site

<http://iaks-www.ira.uka.de/iaks-calmet/gift2006/>

## Submissions

Full papers (in PDF or Postscript format) can be submitted electronically via the conference website. Papers should be written in English and should not exceed 15 pages, including tables and figures (more details on the web page). Papers must be unpublished and must not be submitted for publication elsewhere. Submissions will be formally refereed. Submission management will be done through the EasyChair portal. The proceedings will be published by Karlsruhe University Press. They ought to be available at the workshop or shortly after.

## Registration

Please use the registration form available at the conference web site.  
The registration fee is £80.00 when registering before September 15, 2006.

## Important Dates

July 29, 2006,	submission due
August 31, 2006,	notification of acceptance
September 30, 2006,	camera-ready due

## Organisation

### *Workshop Chair:*

Jacques Calmet  
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### *Program Committee Chair:*

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