

Special issue on Current Trends in Integrability and Nonlinear Phenomena

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CALL FOR PAPERS**Special issue on Current Trends in Integrability and Nonlinear Phenomena**

This is a call for contributions to a special issue of *Journal of Physics A: Mathematical and Theoretical* dedicated to integrability and nonlinear phenomena. The motivation behind this special issue is to summarize in a single comprehensive publication, the main aspects (past and present), latest developments, different viewpoints and the directions being followed in this multidisciplinary field. We hope that such a special issue could become a particularly valuable reference for the broad scientific community working in integrability and nonlinear phenomena.

Editorial policy

The Editorial Board has invited D Gómez-Ullate, S Lombardo, M Mañas, M Mazzocco, F Nijhoff and M Sommacal to serve as Guest Editors for the special issue.

The subject of the paper should relate to the following list of subjects:

- Integrable systems (including quantum and discrete) and applications
- Dynamical systems: Hamiltonian systems and dynamics in the complex domain
- Nonlinear waves, soliton equations and applications
- Nonlinear ODEs including Painlevé equations and isomonodromic deformations
- Symmetries and perturbative methods in the classification of integrable PDEs
- Infinite dimensional Lie algebras and integrable systems
- Orthogonal polynomials, random matrix theory

All contributions will be refereed and processed according to the usual procedure of the journal. Papers should report original and significant research that has not already been published.

Guidelines for preparation of contributions

- The DEADLINE for contributed papers will be **28 February 2010**. This deadline will allow the special issue to appear in October 2010.
- There is a nominal page limit of 15 printed pages per contribution (invited review papers can be longer). For papers exceeding this limit, the Guest Editors reserve the right to request a reduction in length. Further advice on publishing your work in *Journal of Physics A: Mathematical and Theoretical* may be found at www.iop.org/Journals/jphysa.
- Contributions to the special issue should be submitted electronically, if possible, by web upload at www.iop.org/journals/jphysa, or by email to jphysa@iop.org, quoting 'JPhysA Special Issue: Current Trends in Integrability and Nonlinear Phenomena'. Submissions should ideally be in standard LaTeX form. Please see the website for further information on electronic submissions.

CALL FOR PAPERS

- Authors unable to submit electronically may send hard-copy contributions to: Publishing Administrators, Journal of Physics A, IOP Publishing, Dirac House, Temple Back, Bristol, BS1 6BE, UK. Please quote 'JPhysA Special Issue – Current Trends in Integrability and Nonlinear Phenomena'.
- All contributions should be accompanied by a read-me file or covering letter giving the postal and e-mail address for correspondence. The Publishing Office should be notified of any subsequent change of address.

The special issue will be published in the paper and online version of the journal.

D Gómez-Ullate, S Lombardo, M Mañas, M Mazzocco, F Nijhoff and M Sommacal
Guest Editors