Special issue on the Physics of Non-Hermitian Operators
Call for papers

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This is a call for contributions to a special issue of *Journal of Physics A: Mathematical and General*. This issue should be a repository for high quality original work. We are interested in having the topic interpreted broadly and in particular would like to explore and establish links between various fields in which fundamental physics is linked to non-Hermitian operators. Specific topics we would like to see covered are :

- algebraic, perturbation and numerical methods
- applications in magnetohydrodynamics etc
- effective theories in many-body problems
- exceptional points
- field theories with CPT symmetry
- Krein spaces and related rigorous results
- quasi-Hermitian and pt-symmetric models in quantum mechanics
- random matrix models and non-Hermiticity in statistical physics

We believe that this issue is timely, and hope that it will stimulate further development of this exciting field.

Submission criteria

- Contributions will be refereed and processed according to the usual procedure of the journal
- Papers should be original; reviews of a work published elsewhere will not be accepted

Submission guidelines

- The deadline for submission of contributions is 15 February 2006. This deadline will allow the special issue to appear in August 2006.

- There is a strict page limit of 16 printed pages (approx. 9600 words) per contribution. For papers exceeding this limit, the Guest Editors reserve the right to request a reduction in length.

- Contributions should if possible be submitted electronically by web upload at **www.iop.org/journals/jphysa** or by e-mail to **jphysa@iop.org**, quoting **'The Physics of Non-Hermitian Operators'**. Submissions should ideally be in standard LaTeX form; we are, however, able to accept most formats including Microsoft Word.

- Authors unable to submit electronically may send hard copy contributions to: Publishing Administrators, Journal of Physics A, Institute of Physics Publishing, Dirac House, Temple Back, Bristol BS1 6BE, UK, enclosing the electronic code on floppy disk if available and quoting **'JPhysA Special Issue - The Physics of Non-Hermitian Operators'**

- All contributions should be accompanied by a read-me file or covering letter giving the postal and e-mail addresses for correspondence. The Publishing Office should be notified of any subsequent change of address.

- This special issue will be published in the paper and online version of the journal. The corresponding author of each contribution will receive a complimentary copy of the issue.

Further advice on publishing your work in *Journal of Physics A: Mathematical and General* can be found at **www.iop.org/journals/jphysa**