Call for papers

According to the decision of the organizers of a Special Semester on Gröbner bases and related methods, as a follow up to the Workshop D1 "Gröbner bases in Cryptography, Coding Theory and Algebraic Combinatorics", three separable collections of Proceedings will be published. This letter is a first call for papers for the collection of proceedings under the title

"Algorithmic Algebraic Combinatorics and Gröbner bases".

Editors: G. Jones, A. Jurišić, M. Muzychuk, I. Ponomarenko.

Managing Editor: Gareth Jones.

As chairman of D1, M. Klin will serve as a coordinator at an initial stage of communication between the editors, publishers and authors.

The collection will be published in the RISC Book Series on Symbolic Computation (Springer, Heidelberg); series editor Peter Paule.
Type of content: Tutorials and original papers.
Page budget: up to 300 pages.

At this stage we expect about 15-20 submissions, therefore we anticipate papers of 15-20 pages at most. As an exception we may consider longer papers, however the authors should not rely on this opportunity as a realistic chance.
The refereeing and the decision process of accepting papers will be of normal journal quality. Each coauthor of a published paper will get a free copy of the volume.

The main audience for this call consists of invited speakers and poster presenters of D1. We are also sending this call to a number of colleagues who expressed interest to the workshop at the earliest stages of its preparation but were unable to attend it. We may also consider a few submissions from other parties.

Recall that (as was already announced at the end of D1) we are looking for several different types of papers, as follows:
  • investigations in the area of Algebraic Combinatorics (with or without explicit use of Gröbner bases) but with a definite connection with algorithmic approaches;
  • theory and applications of Gröbner bases in conjunction with Algebraic Combinatorics.
We do not guarantee that a paper which does not fit the formulated criteria will be considered in principle by the editors. Note, however, that although we understand Algebraic Combinatorics mainly as the theory and applications of coherent configurations and associations schemes, topics from adjacent areas of combinatorics are also welcome.

The deadline for submission of papers is February 15, 2007.
Manuscripts should be sent via e-mail to Ilia Ponomarenko (inp@pdmi.ras.ru),
cc to Gareth Jones (G.A.Jones@maths.soton.ac.uk),
Mikhail Muzychuk (muzy@netanya.ac.il).

However, we kindly ask the authors to inform us about your intention to make a submission as soon as possible, but not later than by November 1, 2006.

In the second call for papers which will be distributed in November we will formulate more strict requirements about the style of accepted tex-files, as well as about further possible restrictions on the size (according to a more accurate evaluation of the number of submissions) and requested necessary information about authors. This second call will be sent only to those who confirm the current letter. Each author may submit as a corresponding author only one paper, though may be a coauthor in other submissions.

Thank you for your interest.

On behalf of the editors,

Gareth Jones
(School of Mathematics, University of Southampton,
Southampton SO17 1BJ, UK).