The Rome-Moscow school of Matrix Methods and Applied Linear Algebra

The main purpose of this joint school is to encourage the ideas exchange and scientific collaborations between universities and institutions of Rome and of Moscow, in the fields of matrix methods and applied linear algebra.

The school will take place during a whole month, two weeks in Rome and two weeks in Moscow, offering to young students a long time for learning and thinking over the arguments proposed, not limited to short courses of seminars. The school proposes advanced scientific topics and the opportunity of entering in direct contact with people and institutions of excellence in the field.

The main courses are:

- Future of tensor computations: theory, algorithms and applications in many and few dimensions (E. Tyrtyshnikov)
- Condensed forms for matrices under unitary similarities and congruences: theoretical problems and computational implications (K. Ikramov)
- Matrix structures and applications (D. Bertaccini, C. Di Fiore, P. Zellini)
- Eigenvalues of large Toeplitz matrices: asymptotic approach (S. Grudsky, in Moscow)
- A unified tight-frame approach for missing data recovery in images (R. Chan, in Rome)

Further seminars will be held by local expert researchers on topics related with the school theme.

Application

The school is open to advanced undergraduate, graduate and PhD students of TV and LMSU, and of any other university.

To apply for participation, please send an e-mail to both the organizers of the school preferably within June 14, 2010, enclosing the following documents:

1) A scanned copy of a certificate showing the academic courses taken, with grades.
2) A scanned copy of a signed letter of recommendation.
3) A short CV reporting your main scientific interests.
4) A certificate of proficiency in English (note: a qualifying examination reported in the certificate in (1) or a declaration by the advising professor in (2), are enough).

The expenses for lodging for one student amount about to 150-200 euro, for each part of the school. Some scholarships are available with priority for students of TV and LMSU universities.

For updated information on the school see www.mat.uniroma2.it/~tvmsscho