



## 2016 SEAMS SCHOOL DILIMAN TOPICS IN MATRIX ANALYSIS AND APPLICATIONS

Institute of Mathematics  
University of the Philippines, Diliman, 1101 Quezon City  
29 June – 07 July 2016

### ANNOUNCEMENT AND CALL FOR PARTICIPANTS

#### About the School

Linear algebra and matrix theory are fundamental fields of study in mathematics with a variety of applications in many areas. The school will focus on matrix analysis and related topics, beyond elementary linear algebra, including some applications. The objective of the school is to provide students with fundamental concepts and techniques in matrix analysis and introduce directions and problems for research.

The School will consist of forty (40) hours of lectures and problem-solving sessions, focusing on selected topics in graduate level matrix analysis and applications.

It aims to: (i) provide participants with sufficient knowledge on fundamental topics in matrix analysis and applications that lead to areas of research, (ii) encourage participants to pursue further studies in mathematics and do research, and (iii) identify talented and motivated students who can be further supported for scholarships.

By giving priority to participants from developing countries in the region, the pool of students who will pursue higher studies in mathematics (up to the PhD) will hopefully be broadened. The school is supported by CIMPA and the University of the Philippines Office of International Linkages.

SEAMS School Diliman expects around 40 participants, with 8 - 12 participants from Southeast Asia and nearby regions, especially from Laos, Cambodia, Indonesia, Nepal, and other developing countries. Majority of the Philippine participants will come from outside Metro Manila. The organizers aim to have 40-50% female participants. The target participants will be young students (master's students, advanced undergraduates).

#### Courses:

- [1] Topics in Matrix Analysis - 24 hours  
Lecturers: Dr Agnes Paras, Dr Ralph Dela Cruz, Dr Minerva Catral
- [2] Iterative Solutions in Linear Systems – 9 hours  
Lecturers: Dr Jose Ernie Lope, Dr Gino Velasco, Dr Aurelio delos Reyes
- [3] Combinatorial Matrix Theory  
Lecturers: Dr Maria Nerissa Abara, Dr Jose Maria Balmaceda, Dr Minerva Catral

[Click here for course details.](#)

#### Registration:

[Click here to download registration form.](#) Deadline: **30 March 2016**

For more details visit the homepage: [www.math.upd.edu.ph/seamsdiliman](http://www.math.upd.edu.ph/seamsdiliman)  
or contact:

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