



UNIVERSIDAD DE BUENOS AIRES
FACULTAD DE CIENCIAS EXACTAS Y NATURALES
DEPARTAMENTO DE MATEMÁTICA

Algebraic Geometry and Applications – ELGA 2011 A joint CIMPA-ICTP Research School Buenos Aires and Córdoba, Argentina, August 1-12, 2011

BRIEF SCIENTIFIC REPORT:

Summary: This has been a big and successful event framed as a joint CIMPA-ICTP-UNESCO-MICINN Research School on Algebraic Geometry and Applications. The first week consisted of a School in Buenos Aires with four graduate level courses, also framed as the 4th Luis Santaló School of the Mathematics Department, FCEN, Universidad de Buenos Aires, followed by an Advanced Workshop in the province of Córdoba, Argentina.

Speakers and participants: The level of the courses was excellent, taught by well-known specialists, who are also excellent lecturers. All the classes have been recorded in HD video and will be made freely available soon at our website:

<http://mate.dm.uba.ar/~visita16/ELGA-2011/index.shtml>

We also provided tutorial sessions for the students along the first week.

Please see the attached brochure for detailed information about the activities.

A complete list of the participants together with names, affiliations and emails has been sent to CIMPA. Here is a summary of nationality, position and gender of the participants of both weeks:

Total number of participants: **199**

Participants by gender: Female: **54**, Male: **145**

Participants attending the first week: **142**

Participants attending the second week: 138

Participants attending both weeks: 81

Participants by Position:

67 Phd students

18 undergraduate students

94 professors

12 postdoc

4 researchers

4 other students

Participants by nationality:

Latinoamerican: **148**

Argentina: **63**

Bolivia: **2**

Brazil: **31**

Chile: **18**

Colombia: **9**

Ecuador: **2**

Mexico: **13**

Peru: **5**

El Salvador: **1**

Uruguay: **4**

Other nationalities: **51**

China: **1**

India: **1**

Russia: **1**

Australia/Italy: **1**

New Zealand: **1**

Poland: **1**

Turkey: **1**

Switzerland: **1**

Roumania: **1**

Ukraine: **1**

Portugal: **1**

Netherlands: **1**

UK: **1**

Canada: **1**

Iceland: **1**

Germany: **1**

Sweden: **2**

Norway: **2**
Spain: **5**
France: **6**
Italy: **9**
USA: **11**

Speakers: **59** speakers = 4 course lecturers during the second week + 57 advanced workshop lecturers during the second week (2 of the course lectures also gave a talk during the second week, so the total number of speakers is 59 and not 61)

Speakers by gender: Female: **17**, Male: **42**

Speakers by Nationality:

Latin America: **31**
Argentina: **9**
Brazil: **10**
Chile: **3**
Colombia: **2**
Uruguay: **3**
Mexico: **4**

Other: **28**
USA: **9**
Spain: **4**
Italy: **3**
France: **3**
Canada: **1**
Roumania: **1**
Portugal: **1**
Norway: **1**
New Zealand: **1**
India: **1**
Germany: **1**
UK: **1**
Netherlands: **1**

Funding: We got international funding from CIMPA, ICTP and the Clay Mathematics Institute (USA), the French Embassy in Buenos Aires and the Regional Cooperation France-Cône Sud (based in Chile), besides some support from IMPA (Brazil). In Argentina, we got funding from all possible public institutions: CONICET (the National Science Council), ANPCyT (the National Agency for the Promotion of Science and Technology), MinCyT (the Argentinian Ministry of Science, Technology and Productive Innovation), UBA (the

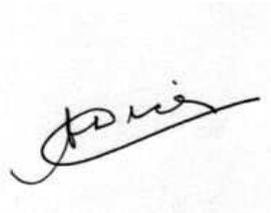
University of Buenos Aires), FaMAF and Secyt (the School of Mathematics, Astronomy and Physics and the Secretary of Science and Technology of the National University of Córdoba).

Concerning the support and framework offered by CIMPA, this has been essential for the existence of ELGA 2011 at the first place, and for the successful search of other funding, to which Claude Cibils contributed very actively. We are very grateful for all his help.

CIMPA secretaries were also very helpful, but I have to confess that I was surprised by the basic level of the logistics. The lack of sufficient secretary support at the critical moment where responses have to be sent to participants of several schools, produced a considerable waste of energy and caused for instance that, despite our efforts to contact the Argentinian Consulates, some participants could not get in time with their visa requests. I understand that this problem has already been addressed.

We are very grateful to CIMPA for the support to our proposal.

Impact and future development: All participants, the many students (around 90 in total) as well as the postdocs and senior researchers, were grateful and satisfied. We think that this activity will have a long-lasting impact in the cohesion of researchers, both senior and young, in the area of Algebraic Geometry and Applications throughout Latin America. A second edition is already planned in Guanajuato, Mexico, in 2014. As we remarked before, the videos with all the courses will be made freely available soon.



Alicia Dickenstein
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Pictures can be found at (they will be accessible from our website soon):

<https://picasaweb.google.com/106690797773859166989/UBAFotosGrupales>

<https://picasaweb.google.com/106690797773859166989/LaCumbreFotosGrupales>

<https://picasaweb.google.com/106690797773859166989/FotosVariasELGA>

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