

CIMPA India, West and Central Asia

Projects 2011 Michel Waldschmidt

Kurdistan Iraq

dates 2011

responsables Mohammad Eftekhari, Fatima Aboud, Michel Waldschmidt

place Salahaddin University, Erbil (Hawler) and Dohuk University, Dohuk; Kurdistan Iraq

goal, motivation Workshops in mathematics in support of the seminars and working groups which started to take place in some of the universities in the region.

lecturers Reza Sazeedeh, Univ. Urumieh (early January 2011; commutative algebra), Michel Jambu (early February; topology), Alain Faisant (April 3- 10; Galois theory).

Other workshops are considered: Arsalan Chademan, Univ. Sanandaj (complex analysis), Abdeljalil Nachaoui, Nantes (numerical analysis or inverse problem), maybe Kamran Divaani and/or Mohammad Eftekhari.

other supports Salahaddin University, Dohuk University, Kurdish Regional Government KRG, French Embassy.

This programme is part of a series of activities which started after my visit with Mohammad Eftekhari in Kurdistan in November 2008, when we were invited by mathematicians from Salahaddin University whom I met earlier in CIMPA research schools. In November 2009, the First Iraqi-French Conference in Mathematics was organized by Salahaddin University, supported by the CIMPA. Two High Level Scientific visits by mathematicians from Erbil to the University of St Etienne, supported by the French Embassy, took place, the first one in number theory in 2009, the second one in applied mathematics in 2010. A first workshop, on algebraic geometry, was organized by Caucher Birkar in November 2010 in Erbil. The other ones which are scheduled are part of this long range program. A project of CIMPA School in 2012 in Sulaimani is considered by the scientific committee of CIMPA, another one may be submitted for 2013. The International Conference on Revitalizing Research in Kurdistan, organized by the Ministry of Higher Education and Research of KRG, took place in December 2010 in Erbil (Hawler). It shows the decision by the leaders of the region to develop this kind of initiatives. The French Embassy also supports our activities. CIMPA will pursue its action, more on the scientific side than on the financial one.

Michel Waldschmidt, December 25, 2010

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Pakistan

dates September, October and November 2011

responsables Michel Waldschmidt

place Pakistan: Skardu the last week of September 2011, Abdus Salam School of Mathematical Sciences (ASSMS) in Lahore during all the month of October (apart from the course of Pappalardi which is scheduled in November)

goal, motivation The ASSMS has been selected by the Committee for Developing Countries (CDC) of the European Mathematical Society to become the first ERCE *Emerging Research Center of Excellence*. One of the main tasks of its director, Professor Alla Ditta Raza Choudary, is to hire a sufficient number of mathematicians from other countries to deliver courses to his students, at the Master and Doctorate level. I suggested him to organize a one week workshop in Skardu in the Himalayas for colleagues who will then spend one month in Lahore and teach a full course. The list of colleagues whom I contacted is given below, the project is open to other interested mathematicians. Only the first four of them already committed themselves.

My own course will be on finite fields, the course by Francesco Pappalardi will be a continuation of mine.

lecturers Michel Waldschmidt, Jorge Jimenez-Urroz, Francesco Pappalardi, Gerhard Pfister, Michel Jambu, Gautami Bhowmik, Olivier Ramare, Florian Luca, Pierre Arnoux, Christian Mauduit, Sebastien Ferenczi, Frederique Bassino, Alexandru Dimca

other supports ASSMS, maybe the French Embassy.

Michel Waldschmidt, December 31, 2010

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Nepal

dates September 2011

responsables Jorge Jimenez-Urroz, Michel Waldschmidt

place Tribhuvan University (TU), Kathmandu (Népal)

goal, motivation The mathematicians from this University, in particular Ajaya Singh, plan to introduce a course of number theory in their Master Program. We are giving the first of them, they will pursue the next years.

lecturers Jorge Jimenez-Urroz, Michel Waldschmidt

other supports Tribhuvan University

dates December 2011

responsables Francesco Pappalardi, Kalyan Chakraborty

place Tribhuvan University (TU), Kathmandu (Népal)

goal, motivation The first National School on Number Theory and Cryptography was organized by Kathmandu University (KU) in December 2009 - Janvier 2010, as a preparation to the CIMPA Research School which took place in July 2010. A second similar National School will be a follow up of the CIMPA School. The courses by Jorge Jimenez-Urroz and Michel Waldschmidt, which are scheduled in September 2011, will prepare this event. CIMPA will support the participation of students from other countries, like it was done for the first national school of KU when two young mathematicians from Bhutan could attend it.

lecturers Francesco Pappalardi, Kalyan Chakraborty

other supports Tribhuvan University

Context:

These two actions are part of a program which hopefully will include also the invitation of Ajaya Singh and his student Chudamani Poudyal in the framework of the European Program EMEA.

Michel Waldschmidt, December 25, 2010