

GEOMETRY & PHYSICS III

Poisson sigma models, Lie algebroids and the BV master equation



GAP III

Séminaire Itinérant

The *Séminaire Itinérant* Geometry and Physics is at its 3rd edition. After the 1st one in France in 2003 and the 2nd one in China, this edition will take place at the Dipartimento di Matematica e Informatica in Perugia (Italy), from the 25th to the 29th of July 2005.

The aim is to bring together young researchers from the two areas of geometry and physics and establish a bridge over the GAP dividing this two deeply interconnected research fields.

Organizing committee

[Nicola Ciccoli](#) (Perugia)

[Alessandra Frabetti](#) (Lyon)



[Mathieu Stienon](#) (Penn State)

[Ping Xu](#) (Penn State)

Fontana Maggiore, one of the main city symbols of Perugia. Built in 1275-76, by Nicola and Giovanni Pisano. On its lower parts bas-reliefs of the liberal arts: between them Arithmetic and Geometry.

Main Speakers

Alberto Cattaneo (Zurich)

Superformality and Quantization

Rui Loja Fernandes (IST Lisbon)

Integrability and Quantization



The old San Pietro's church, at the southern border of the city. Built at the beginning of the XIth century. It is now a University building.

Andrei Losev (ITEP Moscow)

1. *BV formalism and quantum homotopical structures*
2. *BV integral, induced quantum structures and Feynman diagrams*
3. *Topological theory on a simplex as an example.*

Thomas Strobl (Jena)

From Poisson sigma models to general Yang-Mills type gauge theories.

Participants

Paolo Aschieri - Alessandria

Francesco Bonechi - Firenze

Zhou Chen - Beijing

Domenico Fiorenza - Roma

Vladimir Fock - Brown

Gregory Ginot - Paris

Melchior Gruetzmann - Jena

Olga Kravchenko - Lyon

Alexei Kotov - Bonn

Camille Laurent - Poitiers

Zhangju Liu - Beijing

Riccardo Longoni - Roma

Oliver Maspfuhl - Paris



Sebastien Michea - PSU

Serge Parmentier - Lyon

Michael Polyak - Haifa

Romarc Pujol - Lyon

Dimitri Roytenberg - Utrecht

Florian Schaetz - Zurich

Daniele Signori - PSU

Luca Stefanini - Zurich

Adriano Tomassini - Parma

Maxim Zabzine - London

Marco Zambon - Zurich

Chenchang Zhu - Zurich

Nguyen Tien Zung - Toulouse

Deshou Zhong - Beijing

The Etruscan Arch, or porta Tezia was the main northern entrance to the old Etruscan city. Dating back to the third century B.C. was part of the oldest city walls.