



Workshop on Diffeology &c.

Aix en Provence — June 24-25-26, 2015

Espace Forbin, cours Gambetta

As a follow-up of the 2013 and 2014 meetings, this is the **Third Workshop in Aix-en-Provence on Diffeology** and other special extensions of differential calculus: Non-Commutative Geometry, Toposes etc.

Programme

Wednesday June 24, 2015

9:00 Meeting at *Coffee Shop Solferino*.

9:30 - 10:30 *Yael Karshon*

"Basic differential forms"

11:00-12:00 *Enxin Wu*

"The Fermat functor: studying diffeological spaces with infinitesimals"

Lunch

15:00-16:00 *Anatole Khelif*

"Stochastic Manifolds"

16:30-17:30 *Jean-Pierre Laffineur*

"About Etale Diffeological Groupoid"

AMU, Faculté d'Économie
Site Forbin,
15-19, allée Claude Forbin
Aix-en-Provence

Thursday June 25, 2015

9:30 - 10:30 *Patrick Iglesias-Zemmour*

"A Few Questions in Symplectic Diffeology"

11:00-12:00 *Jean-Jacques Szczeciniarz*

"Some Remarks on Geometrization of Physics"

Lunch

15:00-16:00 *Serap Gürer*

"Diffeological pseudomanifolds"

16:30-17:30 *Christian Duval (The Physics hour)*

"Photons at the crossroads of Riemannian and symplectic geometries"



Friday June 26, 2015

9:30-10:30 *Paul Donato*

"About Abelian Subgroups of Diff(Sⁿ)"

11:00-12:00 *Ekaterina Pervova*

"Multilinear algebra in the context of diffeology"

Lunch

15:00-16:00 *Jean-Paul Mohsen*

"Quantitative Transversality in Symplectic Geometry and Contact Geometry"

15:00-16:00 *Conclusion*

Participants

Paul Donato (Aix-Marseille University, France)

Christian Duval (Aix-Marseille University, France)

Serap Gürer (Istanbul University, Turkey)

Patrick Iglesias-Zemmour (Aix-Marseille University, France)

Yael Karshon (Toronto University, Canada)

Anatole Khelif (Paris-Diderot University, France)

Jean-Pierre Laffineur (Paris-Diderot University, France)

Jean-Paul Mohsen (Aix-Marseille University, France)

Ekaterina Pervova (Pisa University, Italy)

Jean-Jacques Szczeciniarz (Paris-Diderot University, France)

Enxin Wu (University of Vienna, Austria)

Organisation : Patrick Iglesias-Zemmour & Jean-Pierre Laffineur

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