

# Poisson 2010

**Poisson Geometry in  
Mathematics & Physics**  
IMPA, Rio de Janeiro, Brazil  
July 2010

School on Poisson Geometry  
July 20<sup>th</sup> to 23<sup>rd</sup>  
Conference on Poisson Geometry  
July 26<sup>th</sup> to 30<sup>th</sup>

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We hereby certify that, *Alan Weinstein*, **University of California, Berkeley**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Poor relations**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Alberto Cattaneo*, **Universitat Zurich**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Introduction to supermanifolds**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Anderson de Oliveira Assunção*, **Universidade Federal do Mato Grosso - Cuiabá**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: **“About the NLS and DNLS hierarchies and the recursion operators associated to their bi(tri)-Hamiltonian structures”**.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Anton Alekseev*, **University of Geneva**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Deformation quantization and the Kashiwara-Vergne problem**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Antonio De Nicola*, **Univ. de Coimbra**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Reduction of Poisson-Nijenhuis Lie algebroids**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, **Bernardo Uribe**, **Universitat Munster**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Symmetries of Exact Courant Algebroids**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Calaque, Damien*, **Université Claude Bernard Lyon 1**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**From lie theory to algebraic geometry and back**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Camilo Arias Abad*, **Universitat Zurich**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Differentiation and integration of representations up to homotopy**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Eckhard Meinrenken*, **University of Toronto**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Dirac structures and Dixmier-Douady theory**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Eduardo Outeiral Correa Hoefel*, **Universidade Federal do Paraná**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Recognition of relative double loop spaces and the Swiss-Cheese Operad**”.

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We hereby certify that, *Eva Miranda*, **Universitat Politècnica de Catalunya**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Poisson geometry of b-manifolds**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Ezra Getzler*, **Northwestern University**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**The automorphisms 3-groupoid of the 2-groupoid of Poisson brackets on a manifold**”.

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We hereby certify that, *Gil Ramos Cavalcanti*, **University Utrecht**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Holomorphic Poisson and Generalized Kahler structures**”.

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We hereby certify that, *Ieke Moerdijk*, **Mathematisch Instituut Universiteit Utrecht**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Introduction to Lie groupoids and Lie algebroids**”.

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We hereby certify that, *Ivan Italo Gonzales Gargate*, IMECC, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**An averaging principle in a stochastic Hamiltonian system**”.

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We hereby certify that, *Izu Vaisman*, **University of Haifa**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Lie and Courant Algebroids on Foliated Manifolds**”.

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We hereby certify that, *Jiang-Hua Lu*, **University of Hong Kong**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Poisson Lie groups and Poisson homogeneous spaces**”.

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We hereby certify that, *Joana Nunes da Costa*, Univ. de Coimbra, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Gauge transformations of Poisson quasi-Nijenhuis manifolds with background**”.

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We hereby certify that, *Kosmann-Schwarzbach, Yvette*, **École Polytechnique**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Poisson pairs revisited**”.

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We hereby certify that, *Madeleine Jotz*, **Ecole Polytechnique Fédérale de Lausanne**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Dirac Lie groupoids, Dirac homogeneous spaces, and a theorem of Drinfel'd**”.

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We hereby certify that, *Marco Gualtieri*, **University of Toronto**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Holomorphic Poisson geometry of generalized Kaehler structures**”.

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We hereby certify that, *Marius Crainic*, **Mathematisch Instituut Universiteit Utrecht**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**A normal form theorem around symplectic leaves**”.

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We hereby certify that, *Mathieu Stienon*, **Université Paris VII - Jussieu**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Poisson Lie 2-groups**”.

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We hereby certify that, *Nguyen Tien Zung*, **Université Paul Sabatier - Toulouse**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “(tentative) **Local structure of integrable Hamiltonian systems on Poisson manifolds**”.

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We hereby certify that, *Nicolás Avilán*, **Universidad de Los Andes-Colombia**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Effective action in higher dimensional Space-Time**”.

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We hereby certify that, *Nicolas Martinez*, **Universidad de Los Andes-Colombia**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**A Dirac structure on  $\text{Diff}(S^1)$** ”.

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We hereby certify that, *Nuno Romão*, **Jagellonian University**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Vortices and Jacobian Varieties**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Paulo Antunes*, **Univ. de Coimbra**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Jacobi structures in the supergeometric formalism**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Paulo Henrique Pereira da Costa*, IMECC, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Diffusion on Poisson manifolds**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Pavol Severa*, **University of Geneva**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Denominators of rational Drinfeld associators**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Pedro Lauridsen Ribeiro*, Instituto de Matemática e Estatística, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Poisson Structures in Classical Field Theory: an Algebraic Approach**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Ping Xu*, **Université du Luxembourg**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**On the atiyah class**”.

Rio de Janeiro, July 30, 2010.

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We hereby certify that, *Reimundo Heluani*, **University of California at Berkeley**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Dilogarithms, chiral algebras and non-commutative windings**”.

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We hereby certify that, *Reyer Sjamaar*, **Cornell University**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Hans Duistermaat’s contributions to Poisson Geometry**”.

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We hereby certify that, *Sandra Maria Zapata Yepes*, **Instituto de Matemática e Estatística**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Generalized symplectic manifolds with lagrangian foliation**”.

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We hereby certify that, *Sergei Merkulov*, **Stockholm University**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Operads, configuration spaces and quantization**”.

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We hereby certify that, *Stanislav Dubrovskiy*, **Northeastern University, Boston, Usa**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Moduli space of general connections**”.

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We hereby certify that, *Stefan Waldmann*, **Universitat Freiburg - Freiburg - Alemanha**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Morita theory in deformation quantization**”.

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We hereby certify that, *Travis Schedler*, **Massachusetts Institute of Technology**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Poisson traces and D-modules on Poisson varieties**”.

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July 26<sup>th</sup> to 30<sup>th</sup>

We hereby certify that, *Tudor Ratiu*, **Ecole Polytechnique Fédérale de Lausanne**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Applications of Poisson geometry**”.

Rio de Janeiro, July 30, 2010.

Henrique Bursztyn  
Organizing Committee



Financial Support



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# Poisson 2010

**Poisson Geometry in  
Mathematics & Physics**  
IMPA, Rio de Janeiro, Brazil  
July 2010

School on Poisson Geometry  
July 20<sup>th</sup> to 23<sup>rd</sup>  
Conference on Poisson Geometry  
July 26<sup>th</sup> to 30<sup>th</sup>

We hereby certify that, *Vladislav Kupriyanov*, **Instituto de Matemática e Estatística**, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Polydifferential approach to the construction of star products**”.

Rio de Janeiro, July 30, 2010.

Henrique Bursztyn  
Organizing Committee



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# Poisson 2010

**Poisson Geometry in  
Mathematics & Physics**  
IMPA, Rio de Janeiro, Brazil  
July 2010

School on Poisson Geometry  
July 20<sup>th</sup> to 23<sup>rd</sup>  
Conference on Poisson Geometry  
July 26<sup>th</sup> to 30<sup>th</sup>

We hereby certify that, *Xiang Tang*, Washington University, St. Louis, participated in the Poisson 2010 - Poisson Geometry in Mathematics and Physics, held at IMPA, Rio de Janeiro - RJ, from July 20 to 30, 2010 and presented the following work: “**Mackey Machine and Duality of Gerbes on Orbifold**”.

Rio de Janeiro, July 30, 2010.

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