

**GADEPs focused conference:
Abelian and iterated integrals and Hilbert 16th problem**

IMPA, RIO DE JANEIRO, SEPTEMBER 26 - 30, 2022

Ricardo Mañé Auditorium

The speakers marked with an * will give online lectures

Monday, 26

9:00 - 9:55	L. Gavrilov - "Introduction to the center-focus problem for plane polynomial vector fields"
9:55 - 10:30	Break
10:30 - 11:25	P. Mardešić - "Darboux Relative Exactness and Pseudo-Abelian Integrals"
11:25 - 11:40	Break
11:40 - 12:35	C. Christopher* - "Darboux Relative Exactness and Pseudo-Abelian Integrals"
12:35 - 14:00	Lunch Break
14:00 - 14:55	H. Movasati (Mini-course) - "Deformation of foliations with a first integral and Abelian and iterated integrals" - Mini-course
14:55 - 15:30	Break
15:30 - 16:25	H. Movasati (Mini-course) - "Deformation of foliations with a first integral and Abelian and iterated integrals"

Tuesday, 27

9:00 - 9:55	C. Christopher* - "Darboux Relative Exactness and Pseudo-Abelian Integrals"
9:55 - 10:30	Break
10:30 - 11:25	S. Yakovenko* - "On Fuchsian equations with a small parameter before the highest derivative"
11:25 - 11:40	Break
11:40 - 12:35	H. Żołądek - "Normal forms of planar vector fields"
12:35 - 14:00	Lunch Break
14:00 - 14:55	P. Mardešić - "Darboux Relative Exactness and Pseudo-Abelian Integrals"
14:55 - 15:30	Break
15:30 - 16:25	L. Gavrilov - "Introduction to the center-focus problem for plane polynomial vector fields"

Wednesday, 28

Open Schedule	Free discussion
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Thursday, 29

11:40 - 12:35	A. Lins-Neto - "On the number of solutions of the equation $\frac{dx}{dt} = \sum_{j=0}^n a_j(t)x^j$, $0 \leq t \leq 1$ for which $x(0) = x(1)$ "
12:35 - 14:00	Lunch Break
14:00 - 14:55	Y. Ilyashenko* - "Persistence problems for polynomial foliations, simultaneous uniformization and identical cycles at infinity"
14:55 - 15:30	Break
15:30 - 16:25	J. Pereira - "Effective Liouvillian integration of foliations"

Friday, 30

9:00 - 9:55	D. López - "The monodromy problem for hyperelliptic curves"
10:00 - 10:30	Break
10:30 - 11:25	Online Interview - R. Roussarie
11:25 - 11:40	Break
11:40 - 12:35	H. Żołądek - "Normal forms of planar vector fields"

BRT time