

Program of the 11th edition of
Functional Equations in LIMoges
FELIM 2018

March 28-30, 2018

Salle de Conférences du bâtiment XLIM

Organised by

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Sponsored by

XLIM, MATHIS, and Région Nouvelle-Aquitaine



FELIM 2018, Functional Equations in LIMoges

Wednesday, March 28

9:30 - 10:00	Registration - Welcome
10:00 - 11:00	Guillaume Chèze: <i>Symbolic Computations of First Integrals for Polynomial Vector Fields</i>
11:00 - 11:30	Coffee break, Discussions
11:30 - 12:00	Thierry Combet: <i>Generalized Picard Fuchs Equations for Planar Vectors Fields</i>
12:00 - 14:00	Lunch break
14:30 - 15:00	Raquel Sánchez: <i>Differential Galois Theory and Darboux Transformations for Integrable Systems</i>
15:00 - 15:30	Jordi Palafox: <i>Ecalfe's Arborification and its Applications</i>
15:30 - 16:00	Tea break, Discussions
16:00 - 16:30	Islam Boussaada: <i>On the Dominancy of Multiple Spectral Values for Time-Delay Systems with Applications</i>
16:30 - 17:00	François Ollivier: <i>Decidability of the Membership Problem for a Finitely Generated Differential Ideal</i>

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Thursday, March 29

9:30 - 10:30	Galina Filipuk: <i>Orthogonal Polynomials, Differential and Difference Equations</i>
10:30 - 11:00	Coffee break, Discussions
11:00 - 11:30	Marko Petkovšek: <i>Definite Sums as Solutions of Linear Recurrences</i>
11:30 - 12:00	Sergei Abramov: <i>On Unimodular Matrices of Difference Operators</i>
12:00 - 14:00	Lunch break
14:30 - 15:00	Renat Gontsov: <i>On the Convergence of Formal Dulac Series Satisfying an Algebraic ODE</i>
15:00 - 15:30	Camilo Sanabria: <i>An Algorithm for Computing Differential Equations for Invariant Curves</i>
15:30 - 16:00	Tea break, Discussions
16:00 - 16:30	Jean-Claude Yakoubsohn: <i>Fast Computation of SVD</i>
20:00 -	Conference Dinner

FELIM 2018, Functional Equations in LIMoges

Friday, March 30

9:30 - 10:30	Elizabeth Mansfield: <i>Introduction to Moving Frames and their Applications</i>
10:30 - 11:00	Coffee break, Discussions
11:00 - 11:30	Alexander Prokopenya: <i>Dynamics of a Block Sliding on the Plane with Variable Coefficient of Friction</i>
11:30 - 12:00	Vladimir Salnikov: From Modeling of Coupled Systems to Graded Geometry and Back to Numerics
12:00 - 14:00	Lunch break
