Session 9, Computational Methods in Algebra and Analysis

Wednesday 18,	Room 306
15:30-16:30	How to use exterior algebras in elimination theory David Eisenbud
16:30-17:00	Balanced configurations and rational hypergeometric functions Eduardo Cattani
17:30-18:00	Determinantal formulas for resultants in low dimension Amit Khetan
18:00-18:30	Classical and modern approaches to bivariate hypergeometric systems Alicia Dickenstein
18:30-19:00	Computational K-theory for polynomial rings over Dedekind domains Manuel Jesús Gago Vargas
19:00-19:30	Computational methods for rational curves and surfaces Juan Rafael Sendra Pons
19:30-20:00	Computer algebra and computer aided geometric design Laureano González-Vega
Thursday 19, Room 306	
18:30-19:30	Algorithms for the ring of differential operators and their applications
19:30-20:00	Hypergeometric systems and local cohomology Laura Felicia Matusevich
Friday 20, Room 306	
10:30-11:30	Poincaré series, topology and cyclotomic factors Antonio Campillo
11:30-12:00	On Bernstein-Sato ideals José María Ucha Enríquez
12:00-12:30	Explicit calculation of slopes in hypergeometric systems María Isabel Hartillo Hermoso
12:30-13:00	Finite dimensional representations of invariants under tori of the Weyl algebra

Sonia L. Rueda Pérez 13:00–13:30 Stratifications induced by homomorphisms between holonomic sheaves Uli Walther Saturday 21, Room 306

08:30-09:00	Computing with locally effective matrices
	Julio Jesús Rubio García
09:00-09:30	Computation of Ratliff-Rush closure
	Juan Elías