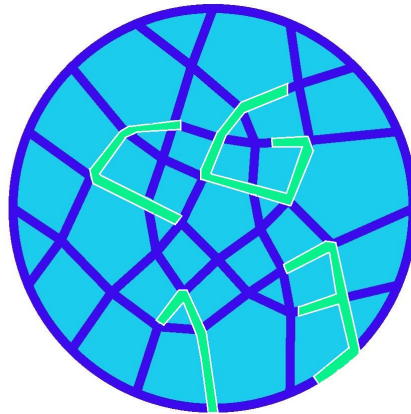


WORKSHOP PROGRAM

*Combinatorial geometries:
matroids, oriented matroids and applications*

*Géométries combinatoires :
matroïdes, matroïdes orientés et applications*



Ringel's arrangement

Marseille - Luminy, 2-6 April, 2013

Dedicated to the memory of Michel Las Vergnas

Organizing committee

*Emeric GIOAN
Jorge RAMIREZ ALFONSIN*

Scientific committee

*Alexandre BOROVIK
Raul CORDOVIL
Michel LAS VERGNAS (R.I.P.)
Jim LAWRENCE
András RECSKI*



SCHEDULE

Tuesday 2

8h30	REGISTRATION	
9h	Jim LAWRENCE	<i>Radon Catalogs, the Odd-Even Invariant, and Valuations</i>
9h45	Hans-Jürgen BANDELDT	<i>Geometry of lopsided sets</i>
10h30	BREAK	
11h	Kolja KNAUER	<i>Between partial cubes and oriented matroids</i>
11h45	Matjaž KOVŠE	<i>Tutte polynomials and topological representations of partial cubes</i>
12h30	LUNCH	
14h30	Richard POLLACK	<i>Double Permutation Sequences and Arrangements of Planar Families of Convex Sets with Applications</i>
15h15	Antoine DEZA	<i>A combinatorial approach to colourful simplicial depth</i>
16h	BREAK	
16h30	Federico ARDILA	<i>Matroids in tropical geometry</i>
17h15	Felipe RINCON	<i>Tropical linear spaces and valuated matroids</i>
19h30	DINNER	

Wednesday 3

9h	András RECSKI	<i>Tree decomposition, tree orientation and rigid frameworks</i>
9h45	Ricardo STRAUZ	<i>Applying the probabilistic method to Separoids theory</i>
10h30	BREAK	
11h	Csongor CSEHI	<i>The graphicity of the sum of graphic matroids</i>
11h45	Viet Hang NGUYEN	<i>Inductive construction and decomposition of graded sparse graphs</i>
12h30	LUNCH	
14h30	Jürgen BOKOWSKI	<i>Oriented Matroids and Configurations of Points and Lines</i>
15h15	Carsten LANGE	<i>Counting invariants for realizations of associahedra</i>
16h	BREAK	
16h30	Hidefumi HIRAISHI	<i>Minimal non-orientable matroids of rank 3</i>
17h15	Hiroyuki MIYATA	<i>Complete Enumeration of Small Realizable Oriented Matroids</i>
19h30	DINNER	
20h30	Komei FUKUDA	<i>My personal memories of Michel and his work</i>
20h45	Emeric GIOAN	<i>Michel's slides</i>
21h	Jorge RAMIREZ ALFONSIN	<i>Michel's conjectures</i>
21h15	WINE & CHEESE	

Thursday 4

9h	Louis BILLERA	<i>Unbalanced collections, weak maps and a problem in quantum physics</i>
9h45	Michel POCCHIOLA	<i>Arrangements of double pseudolines living in non orientable surfaces</i>
10h30	BREAK	
11h	Andreas HOLMSEN	<i>Realization spaces and Erdős-Szekeres theorems for convex sets</i>
11h45	Arnau PADROL	<i>From Ehrhart theory to the discrepancy of oriented matroids</i>
12h30	LUNCH	
19h30	DINNER	

Friday 5

9h	Joseph KUNG	<i>The Tutte polynomial as a resultant force</i>
9h45	Caroline KLIVANS	<i>Scheduling polynomials</i>
10h30	BREAK	
11h	Luca MOCI	<i>Matroids over a ring</i>
11h45	Nikolai MNEV	<i>Local combinatorial formula for the Chern class of combinatorial S^1 bundles</i>
12h30	LUNCH	
14h30	Emanuele DELUCCHI	<i>Foundations for a theory of phased matroids</i>
15h15	Thomas ZASLAVSKY	<i>Phased Matroids from Gain Graphs</i>
16h	BREAK	
16h30	Laura ANDERSON	<i>Realization spaces of phased matroids and the phased matroid Grassmannian</i>
17h15	Hiroshi HIRAI	<i>Discrete Convexity and Polynomial Solvability in Minimum 0-extension Problems</i>
19h30	DINNER	

Saturday 6

9h	Zoltán SZIGETI	<i>Packing of arborescences with matroid constraints</i>
9h45	Jérémie CHALOPIN	<i>A topological characterization of basis graphs of matroids</i>
10h30	BREAK	
11h	Kenjiro TAKAZAWA	<i>Shortest Bibranchings and Valuated Matroid Intersection</i>
12h30	LUNCH	