
Monday, June 19

9:00	Paneterie		Registration
9:50	Trésorier	J. Sullivan	Visualization of optimal geometry
10:50	Cloître		Coffee
11:10	Trésorier	M. Berry	Explorations of the singularities of light
12:10	Downtown		Lunch
13:45	Paneterie I	R. Knapp and M. Sofroniu	Workshop on <i>Mathematica</i> numerics
13:45	Trésorier	E. Froidefond	Magnetic field created by a distribution of conductors
14:10	Trésorier	J.M. Ginoux	Chaotic dynamical systems tools
14:35	Trésorier	I. Plazl	Reaction-diffusion dynamics in a microreactor
15:00	Trésorier	T. Pritchett	Modeling nonlinear optical beam propagation
15:25	Trésorier	A. Uscilowska	An isothermal gas flow in porous medium
15:50	Cloître		Tea
16:20	Paneterie I	M. Jankowski	Workshop on image processing
16:20	Trésorier	J. Benedikt	Event location at integration of ODEs with jumping nonlinearity
16:45	Trésorier	S. Matsumoto	Convergence improvement of infinite series by linear fractions
17:10	Trésorier	K. Nagasaka	Mathematical issues of <i>Mathematica</i> BigFloat and resolutions in SNAP package
17:35	Trésorier	T. Streck	Enclosure of range of multivariate polynomial
18:30			Welcome party at the Mairie d'Avignon

Tuesday, June 20

9:00	Paneterie I	J. Fultz	Workshop on <i>Mathematica</i> 6.0 front end
9:00	Trésorier	P. Abbott	On the perimeter of an ellipse
9:25	Trésorier	R. Barrère	An algorithmic approach to manifolds
9:50	Trésorier	G. Gorni	Curves graphics
10:15	Trésorier	Y. Tazawa	DGeometrica, a package for differential geometry
10:40	Cloître		Coffee
11:10	Trésorier	J. Jowett	CERN Large Hadron Collider
12:10	Downtown		Lunch
13:45	Paneterie II	N. Gordon	Teaching of mathematics for computer science students in H.E.
13:45	Trésorier	M. Eisenberg	Visualizing complex functions with the Cardano3 application
14:10	Paneterie II	H. Nishizawa	webMathematica-based introductory system of mathematical experiments
14:10	Trésorier	M. Jankowski	Erosion, dilation and related operators
14:35	Paneterie II	P. Ramsden	M@th Desktop and the LTM project
14:35	Trésorier	S. Kivela	On the visualization of Riemann surfaces
15:00	Paneterie II	N. Verdier	Teaching mathematics and history of mathematics
15:00	Trésorier	B. Thaller	Visual quantum mechanics
15:25	Paneterie II	B. Zraggen	Interactive transformations of expressions
15:25	Trésorier	J.P. Kuska	Bump mapping with MathGL3d
15:50	Cloître		Tea
16:20	Paneterie I	P. Quinton	Designing parallel programs and integrated circuits
16:20	Paneterie II	K. Bøge	Panel on education
16:20	Trésorier	J. Hertel	Computing the uncomputable Rado σ function
16:45	Paneterie I	K. Sutner	Divisibility and state complexity
16:45	Trésorier	T. Jonassen	Symbolic dynamics: the spider algorithm and finding certain real zeros of polynomials of high degree
17:10	Paneterie I	S. Mc Intosh	Accelerating <i>Mathematica</i> with ClearSpeed
17:10	Trésorier	V. Keranen	Combinatorics on words
17:35	Paneterie I	S. Vukasinovic	Automatic generation of regular languages from regular grammars
17:35	Trésorier	B. Palancz	Computer algebra in geodesy resection N-points problem

Wednesday, June 21

9:00	Paneterie I	A. Carmasol	Analytical solutions of elastic regions weakened by elliptic cracks
9:00	Paneterie II	A. Keller	The structure of economic models: the theory of graphs
9:25	Paneterie I	G. Erdos	Substitutions and replacements in mechanism prototyping
9:25	Paneterie II	A. Kelly	Evaluation of financial options using radial basis functions
9:50	Paneterie I	H. Sarafian	Effects of kinetic friction on the run-time of a bead sliding along a catenary under gravity pull
9:50	Paneterie II	F. Spiring	Exploring data structures
10:15	Paneterie I	P. Vieiville	An analytical model for the optimal choice of tightening forces of a high performance flange
10:15	Paneterie II	Esa Uusipaikka	Statistical inference package SIP
10:40	Cloître		Coffee
11:10	Paneterie I	N. Venuti	Workshop on Bond Graph modeling
11:10	Paneterie II	B. François	Panel on a New Kind of Science
11:40	Paneterie I	J.F. Gouyet	Workshop on Tensorial and TContinuumMechanics packages
12:10	Downtown		Lunch
13:45			Getting out to Aix-en-Provence for the 100-th anniversary of Cézanne's death
Night			Music festival in the streets

Thursday, June 22

9:00	Paneterie I	U. Cervantes	Workshop on <i>Mathematica</i> 6.0 graphics
9:00	Trésorier	M. Bogatyrev	Symmetry based decomposition and its application to evolutionary modeling systems
9:25	Trésorier	S. Dimas	Solving overdetermined systems of PDE's
9:50	Trésorier	A. Papusha	Dynamic responses of rigs subject to drag forces: exact solution with discontinuous property and loading
10:15	Trésorier	J. Wolkowisky	Bifurcating solutions of nonlinear PDE's
10:40	Cloître		Coffee
11:10	Paneterie II	P. Albarède and Rémi Barrère	Panel on users'groups
11:10	Trésorier	P. Girg	Asymptotic formula for large solutions of p-Lagrangian in one dimension
11:40	Trésorier	F. van Merode	Management of queuing systems: effects of cooperation
12:10	Downtown		Lunch
13:45	Paneterie I	B. Autin	Workshop on <i>Geometrica</i> about Piero della Francesca's two pigeons and fountain
13:45	Trésorier	M. Buisson	Local study of a fishing-net
14:10	Trésorier	L. Farenc	Modeling flight dynamics for real time simulator applications
14:35	Trésorier	K. Morin-Allory	Automatic generation of a provable circuit model: from VHDL to PVS
15:00	Paneterie II	A. Saunders	Surface logic
15:00	Trésorier	E. Wildner	Integration of Mathematica into the Large Hadron Collider
15:25	Paneterie II	Y. Beylkin et al.	Interweaving: a research into architectural space through homotopic functions
15:25	Trésorier	E. Wildner	Optimization of neutrino rates in a new β beam complex
15:50	Cloître		Tea
16:20	Paneterie I	D. Malchiodi	Implementing an XML-RPC Client
16:20	Paneterie II	Y. Kiriu	Finding mathematical structures in arts
16:45	Paneterie I	S. Sakakibara	Nonseparable 2D wavelet filters
16:45	Paneterie II	Ph. Morel	Panel on architecture
16:45	Trésorier	Jean Cognet	Biopolymer chain elasticity
17:10	Paneterie I	F. Cavallini	Symbolic computations in viscoelasticity and anisotropic elasticity
17:10	Trésorier	B. Ter Haar Romeny	Warping a neuro-anatomy atlas on 3D MRI data with radial basis functions
17:35	Paneterie I	P. Szczepaniak	Modeling of motion in water slides
17:35	Trésorier	G. Spaletta	Modeling the thyroid geometry
20:30			Cruise on Rhône river and banquet

Friday, June 23

9:00	Paneterie I	T. Wickham-Jones	Workshop on <i>Wolfram Workbench</i>
9:00	Trésorier	P. Albarede	Control policies for 421, a stochastic game of life
9:25	Trésorier	I. Johannesen	The Buffon needle problem revisited in a pedagogical perspective
9:50	Trésorier	N. Khemka	Exploratory Toolkit for Evolutionary And Swarm-based Optimization
10:15	Trésorier	B. Stokes	Series-Parallel circuit construction: a narrative with a surprise
10:40	Cloître		Coffee
11:10	Paneterie I	T. Wickham-Jones	Workshop on <i>webMathematica</i>
11:10	Paneterie II	Y. Papegay	Panel on <i>Sudoku</i>
11:10	Trésorier	S. Macintosh	ClearSpeed and very fast calculations
12:10	Downtown		Lunch
13:45	Trésorier	C. Wolfram	<i>Mathematica 6.0</i>
15:00	Trésorier	S. Wolfram	<i>Mathematica</i> in perspective
15:50	Cloître		Tea
16:20	Trésorier	B. Autin	Closing session