

	SALA 1	SALA 2	SALA 3	
Monday morning				
8:30-09:30	Documentation delivery			
Session	PC1& 2: Plenary Conference			
Chairman	C. Amrouche (Chairman)			
09:00-09:50	F. Boyer(PC)			
	Convergence analysis of the upwind scheme for the transport equation with boundary data			
09:50-10:40	P. Drabek(PC)			
	Fisher-Kolmogorov equation with a non-Lipschitzian reaction term			
10:40-11:00	Coffee break			
11:00-13:00	S11: Elliptic and Parabolic PDE	S12: Geometric uncertainties		
	Ch. Amrouche (Chairman)	M. Dambrine (Chairman)		
11:00-11:30	C. Stuart	M. Dambrine		
	Criteria for the existence of a potential well	Numerical Solution of the Poisson Equation on Domains with a Thin Layer of Random Thickness		
11:30-12:00	J. Giacomoni	E. Savin		
	An extension of Diaz-Saa Inequality and uniqueness results for variable exponents problems	Sparse polynomial surrogates for uncertainty quantification in computational fluid dynamics		
12:00-12:30	K. Prashanth	Ch. Dapogny		
	Analytic bifurcation for very singular elliptic problems	A Deterministic Approximation Method For Shape Optimization Problems Under Random Uncertainties		
12:30-13:00	J. P. Gossez	H. Harbrecht		
	Elliptic equations involving the p-Laplacian and a gradient term	Shape optimization for quadratic functionals and states with random right-hand sides		
13:30-15:00	Lunch			
Session	S21: Elliptic and Parabolic PDE	S22: Time integrator and coupled PDE	S23: Appl. Maths.	
Chairman	P. Takac (Chairman)	P. Poncet (Chairman)	V. Lanchares (Chairman)	
15:00-15:30	J. Hernández	M. Tokman	C. Ferreira	
	Linearized stability for solutions to nonlinear degenerate and singular parabolic equations	Techniques for constructing efficient exponential methods of EPIRK type and their applications	Generalization of Zernike basis for a variety of important optical apertures	
15:30-16:00	C. Amrouche	R. Chatelin	R. Villacampa	
	On Poincaré's and Lions' lemmas and on De Rham's theorem	Particle methods for non-linear Stokes equations coupled to transport of heterogeneity	Invariant compact solutions to the heterotic equations of motion	
16:00-16:30	B. Alziari	L. Hume	Y. Zaim	
	On the Heston model in mathematical finance: An analytic approach by PDEs	Transport and pore scale modeling of porous media	Extension and construction of Quasi-Wilson and modified Quasi-Wilson finite elements	
16:30-17:00	M. Cuesta		J. Palafox	
	On abstract indefinite concave-convex problems and applications to quasilinear elliptic equations		Symmetries, integrability and module of logarithmic vector fields	
17:00-17:30	Coffee break			Poster session
				M. Palacios (Chairman)
Session	PC3 & 4: Plenary conference		Navascués	Trend curves for historic data
Chairman	J. Giacomoni (Chairman)		E. Pérez	Orthogonal basis with an OTF first mode for shape specification of eyes
17:30-18:20	M. Bozzini			
	New radial kernels and wavelets			
18:20-19:00	L. Rández			
	Ars Qubica			
19:00-20:00	Official opening ceremony in the presence of the presidents:			
	Rector de la Universidad de Zaragoza and Monsieur le Président de l'Université de Pau			
20:00	Reception			