Tuesday morning		
Session	PC5 & PC 6: Plenary Conference		
Chairman	J. L. Gracia (Chairman)		
09:00-09:50	E. O'Riordan		
	Modelling and numerical methods for convection-diffusion problems with dominating convective term		
09:50-10:40	J. J. Egozcue		
	Compositional data and the geometry of the sample space		
10:40-11:00	Coffee break		
Session	S31: PDE convection-difussion	S32: Statistical Inference	S33: Ferromagnetism modelling and Appl. Maths.
Chairman	J. L. Gracia (Chairman)	J. J. Egozcue (Chairman)	G. Carbou (Chairman)
11:00-11:30	R. Bermejo	P. Jodrá	M. Osama
	A local projection stabilized Lagrange-Galerkin method for convection-diffusion equations	A new two-parameter probability distrubution with bounded support	Numerical integration under certain type of convexity
11:30-12:00	G. Hauke	V. Pawlowsky-Glahn	A. Nafidi
	VMS error estimation for computational fluid mechanics	Exploratory analysis of compositional data	A new homogeneous lognormal diffusisons process with exogenous factors in diffusion coefficient
12:00-12:30	J. C. Jorge	M. Ortego	S. Labbé
	An alternating direction method for solving 2D convection-diffusion problems with time dependent boundary conditions	Watch out, spurious correlations ahead!	Asymptotic in ferromagnetism modeling
12:30-13:00	C. Clavero	M. V. Alba-Fernández	A. K. Al Sayed
	Efficient numerical methods for coupled singularly perturbed systems of reaction-diffusion type	Confusion matrix control using penalized divergences	Domain wall in bent ferromagnetic nano-wire
13:00-13:20	D. Irisarri		
	Numerical approximation of singularly perturbed reaction-diffusion problems with the virtual element method		
13:30-15:00	Lunch		
Session	S41: Fractional Differential Equations	S42: Fluid Mechanics	S43: Fluid Mechanics
Chairman	C. Clavero (Chairman)	Ch. Amrouche (Chairman)	Sophie Mercier (Chairman)
15:00-15:30	J. Cresson	A. Ghosh	P. Patie
	An algebraic approach to fractional derivatives	Stokes equation with Navier boundary condition	Spectral representation of the solution to the Cauchy problem associated to fractional operators
15:30-16:00	J. L. Torrea	H. Al Baba	F. Avram
	Lateral fractional derivatives	Maximal $L\,p - L\,q$ regularity to the Stokes Problem with Navier boundary conditions	Managing central branch risk networks using spectrally negative Lévy models and scale functions
16:00-16:30	J. L. Gracia	M. A. Rodríguez	
	On the convergence of a finite difference scheme for a time fractional-diffusion equation	Stability results for nematic liquid crystals	
16:30-17:00	M. de León	J. Orellana	
	Non-Local Fractional Derivatives. Discrete And Continuous	Surface water waves in the vicinity of a solid body	
17:00-17:30	Coffee break		
Session	PC 7 & 8: Plenary Conference		
Chairman	C. Clavero (Chairman)		
17:30-18:20	L. Vázquez		
	Fractional Calculus As A Modelling Framework		
18:20-19:10	T. Sauer		
	Sparse exponentials and monomials, superresolution and an old trick		