

IWANASP18 - International Workshop on Analysis and Numerical Approximation of Singular Problems  
September 4-6, 2018 Cagliari, Italy

	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>
9:00–9:35	REGISTRATION		
Chair:	T. Diogo	L. Fermo	G. Mastroianni
9:35–10:00	OPENING		
10:00–10:25	<b>N.J.Ford</b> Christopher T.H. Baker (1939-2017): his contribution to the field	<b>Y. Xu</b> (Plenary) Fast solutions of boundary integral equations for the Poisson equation	<b>P. Junghanns</b> (Plenary) From classical approaches to $C^*$ -algebra techniques in the numerical analysis of singular integral equations
10:25–10:50	<b>L. Fermo</b> Sebastiano Seatzu's contribution to the numerical treatment of nonlinear evolution equations	<b>P. Diaz de Alba</b> Recovering the electrical conductivity of the soil via linear integral model	<b>M.C. De Bonis</b> A quadrature method for a singular integro-differential equation in weighted Zygmund spaces with uniform norm
10:50–11:20	COFFEE BREAK		
Chair:	P. Junghanns	G. Rodriguez	T. Diogo
11:20–11:45	<b>G. Mastroianni</b> (Plenary) Polynomial approximation of functions with singular points	<b>L. Grammont</b> A projection based regularized approximation method for ill-posed operator equations	<b>I. Notarangelo</b> On product integration methods for integral equations with weakly singular kernels
11:45–12:10		<b>C. Laurita</b> A BIEM for mixed boundary value problems on nonsmooth boundaries	<b>G. Serafini</b> Numerical treatment for bisingular Cauchy integral equations
12:10–12:35	<b>S. Barbeiro</b> Finite element error analysis for problems with low regular solutions	<b>R. Kulkarni</b> Discrete modified projection method for nonlinear integral equations with non-smooth kernels	<b>P. Vasconcelos</b> Approximating the solution of integro-differential problems via the spectral Tau-method
12:35–13:00	<b>D. Occorsio</b> Extended product integration rules in $[-1, 1]$	<b>H. Kaboul</b> The product integration method for a weakly singular Hammerstein equation	<b>L. Solovarova</b> Numerical solution of differential-algebraic equations written in integral form
13:00–15:30	LUNCH		
Chair:	P. Lima	Y. Xu	
15:30–16:20	<b>J. Roberts</b> (Plenary) Understanding the interaction between financial markets with ecological modelling techniques	<b>A. Pedas</b> (Plenary) Numerical solutions and their superconvergence for fractional differential equations	<b>Excursion</b>
16:20–16:45	COFFEE BREAK		
Chair:	P. Lima	Y. Xu	
16:45–17:10	<b>M.G.Russo</b> A global approximation method for Mellin singular integral equations	<b>P. Lima</b> Numerical Solution of a Volterra Integral Equation of the Third Kind	
17:10–17:35	<b>R. Campagna</b> Robust meshfree PDE solver for source-type flows in porous media	<b>E. Chistyakova</b> Some properties of the linear differential algebraic equations perturbed by the Fredholm Operators	
17:50–18:50	<b>Excursion</b> Visit to Clemente Susini's wax museum		
21:00	<b>Apericena Sarda</b> "Le Plus Bon", Via Giovanni Giolitti	<b>Social Dinner</b> "Lapola", Vico Barcellona 10	