

2DAMC - TWO DAYS ON APPLIED MATHEMATICS IN CAGLIARI
 APRIL 9–10, 2015
 CAGLIARI, ITALY

Thursday 9

Friday 10

8:30–9:00	REGISTRATION AND OPENING	
Chair:	C. van der Mee	S. Seatzu
9:00–9:30	Matteo Sommacal One- and two-dimensional magnetic-droplet solitons	Lothar Reichel Generalized Cross Validation for Tikhonov regularization of large-scale problems
9:30–10:00	Marco Secondini Fiber-optic communication based on modulation of the scattering data	Silvia Noschese Rescaling the GSVD with application to ill-posed problems
10:00–10:30	Christian Scimiterna R. Boll consistent around the cube systems and their linearizability	Claudio Estatico Conjugate gradient method for ill-posed linear problems in L^p spaces
10:30–11:00	COFFEE BREAK	
Chair:	M. Sommacal	L. Reichel
11:00–11:30	Francesco Demontis Hirota equation and Vortex Filaments	Luisa Fermo Matrix-pencil method for estimating parameters of monomial-exponential sums
11:30–12:00	Federica Vitale The inverse scattering transform for the focusing nonlinear Schrödinger equation with a one-sided non-zero boundary condition	Caterina Fenu Ranking nodes on networks
12:00–12:30	Sebastiano Pennisi A 18 moments model for dense gases: entropy and Galilean relativity principles without expansions	Francesca Arrigo Updating and downdating techniques for optimizing network communicability
12:30–16:00	LUNCH	
Chair:	S. Vernier	C. Estatico
16:00–16:30	Antonio Iannizzotto Fractional boundary value problems: the stationary case	Silvia Gazzola A new framework for multi-parameter regularization
16:30–17:00	Antonio Greco Fractional convexity maximum principle	Patricia Diaz De Alba Numerical method for a nonlinear problem in applied Geophysics
17:00–17:30	COFFEE BREAK	
Chair:	S. Vernier	C. Estatico
17:30–18:00	Monica Marras Estimates of blow-up time for solutions to nonlinear parabolic problems	Giuseppe Rodriguez The COSE method for the regularization of linear discrete ill-posed problems
18:00–18:30	Giuseppe Vigliani Bounds for blow-up time for porous medium problems	