



Special Session 3 – “New challenges on Numerical methods for differential problems”

Monday, 7th of September Building: Economia, 3rd floor Room: Aula 7	
14:30 – 14:50	Ana Maria Alonso Rodriguez <i>An Evolve-Filter-Relax regularization model for the numerical simulation of incompressible MHD flows</i>
14:50 – 15:10	Joao Steinstrasser <i>Parallel-in-time numerical methods: challenges and applications</i>
15:10 – 15:30	Armando Coco <i>High-Order Boundary Treatment in Unfitted Methods for Partial Differential Equations</i>
15:30 – 15:50	José Alberto Cuminato <i>Numerical Simulation of Viscoelastic Fluid Flows</i>
15:50 - 16:10	Ilario Mazziari <i>Space-time domain decomposition methods for wave-propagation problems</i>
16:10 - 16:30	Giuseppe Romanazzi <i>Numerical analysis of a supra-convergent method applied to a nonlinear pressure-cell density dynamics problem over non uniform meshes</i>
Monday, 7th of September Building: Economia, 2nd floor Room: Aula 2	
18:00 – 18:20	Alessandro Russo <i>Dealing with arbitrarily distorted 8-node bricks</i>
18:20 – 18:40	Gianluca Frasca-Caccia <i>Matrix-Oriented Solution of a Pitting Corrosion Model</i>
18:40 – 19:00	Eduardo Cardoso de Abreu <i>An Innovative Lagrangian-Eulerian Approach for Conservation Laws: Structure-Preserving Discretization and Emerging Challenges</i>