



# Finite Volumes for Complex Applications 8

## Thursday, June 15, 2017

**Poster session 2: Click here to view details - LILLIAD Learning Center - Hall (5:00 PM - 6:45 PM)**

[id] title	presenter	board
[162] Application of a combined finite element - finite volume method to a 2D non-hydrostatic shallow water problem	AISSIOUENE, Nora	
[166] On the Conditions for Coupling Free Flow and Porous-Medium Flow in a Finite Volume Framework	FETZER, Thomas	
[164] Discontinuous finite volume element methods for the optimal control of Brinkman equations	SANDILYA, Ruchi	
[157] New types of Jacobian-free approximate Riemann solvers for hyperbolic systems	GALLARDO, José	
[168] On the capillary pressure in basin modeling	QUAGLIA, Laurent	
[169] A nonlinear correction FV scheme for near-well regions	NIKITIN, Kirill	
[165] Non-isothermal compositional two-phase Darcy flow: formulation and outflow boundary condition	BEAUDE, Laurence	
[167] Hybrid Finite-Volume/Finite-Element Schemes for $p(x)$ -Laplace Thermistor Models	FUHRMANN, Jürgen	
[160] Projective integration for nonlinear BGK kinetic equations	REY, Thomas	
[161] A Finite-Volume discretization of viscoelastic Saint-Venant equations for FENE-P fluids	BOYAVAL, Sébastien	
[163] A relaxation scheme for the simulation of low Mach number flows	ABBATE, Emanuela	
[151] Equilibrated stress reconstructions for linear elasticity problems with application to a posteriori error analysis	RIEDLBECK, Rita	
[150] An error estimate for the approximation of linear parabolic equations by the Gradient Discretization Method	EYMARD, Robert	
[153] Optimal order of convergence for the upwind scheme for the linear advection on a bounded domain	AGUILLON, Nina	
[152] Céa-type quasi-optimality and convergence rates for (adaptive) vertex-centered FVM	ERATH, Christoph	
[155] Raviart Thomas Petrov Galerkin Finite Elements	PIERRE, Charles	
[154] Linf-stability of IMEX-BDF2 finite volume scheme for convection-diffusion equation	EZZOUG, Meriem	
[156] A nonlinear Discrete Duality Finite Volume Scheme for convection-diffusion equations	KRELL, Stella	
[159] GPU accelerated finite volume methods for three-dimensional shallow water flows	BOUBEKEUR, Mohamed	
[158] An implicit integral formulation for the modeling of inviscid fluid flows in domains containing obstacles	COLAS, Clément	
[147] Positive lower bound for the numerical solution of a convection-diffusion equation	MERLET, Benoît	

<b>[148] Numerical analysis of the DDFV method for the Stokes problem with mixed Neumann/Dirichlet boundary conditions</b>	LISSONI, Giulia	
<b>[149] Design and analysis of a finite volume scheme for a concrete carbonation model</b>	ZUREK, Antoine	
<b>[70] DGM, an item of GDM</b>	GUICHARD, Cindy	