

Workshop Numerical Methods for Partial Differential Equations (NPDE)

Wednesday, Nov 6th

Parallel session W1: NA1

Organizers: David Mora, Manuel Solano & Mauricio Sepúlveda

Chair: Manuel Sánchez

11h00-11h30	Pablo Venegas	UBB, Chile	Numerical analysis of a time-domain elastoacoustic problem
11h30-12h00	Michael Karkulik	UTFSM, Chile	Space-time least squares finite elements for parabolic equations and applications
12h00-12h30	Rodolfo Araya	U. Concepción, Chile	An a posteriori error estimator for MHM Method

Parallel session W2: NA2

Organizers: David Mora, Manuel Solano & Mauricio Sepúlveda

Chair: Norbert Heuer

14h00-14h30	Manuel Sánchez	PUC, Chile	Symplectic Hybridizable discontinuous Galerkin methods for wave propagation problems
14h30-15h00	David Mora	UBB, Chile	Virtual Element for the Vibration Problem of Kirchhoff Plates
15h00-15h30	Noureddine Igbida	U. Limoge, France	Augmented Lagrangian method for Hamilton Jacobi equation

Thursday, Nov 7th

Parallel session Th1: NA3

Organizers: David Mora, Manuel Solano & Mauricio Sepúlveda

Chair: Rodolfo Araya

11h00-11h30	Ignacio Muga	PUCV, Chile	A DG-based stabilized residual minimization technique
11h30-12h00	Alexandre Ern	ENPC & INRIA, Paris, France	A Hybrid High-Order discretization combined with Nitsche's method for contact and Tresca friction in small strain elasticity
12h00-12h30	Thomas Führer	PUC, Chile	A least-squares finite element method for the obstacle problem

Parallel session Th2: NA4

Organizers: David Mora, Manuel Solano & Mauricio Sepúlveda

Chair: Mauricio Sepúlveda

14h00-14h30	Carlos Perez	PUC, Chile	Density Interpolation Methods
14h30-15h00	Paulina Sepúlveda	PUCV, Chile	Two adaptive discontinuous space-time methods for the wave equation
15h00-15h30	Mauricio Sepúlveda	U. Concepción, Chile	Stability analysis of the numerical method for damping dispersive equations