

Vendredi 3 Août

Room 212 A

15. Numerical Analysis and Scientific Computing

Design of numerical algorithms and analysis of their accuracy, stability, convergence and complexity. Approximation theory. Applied and computational aspects of harmonic analysis. Numerical solution of algebraic, functional, stochastic, differential, and integral equations.

Connections with sections 8, 9, 10, 12, 14, 16, 17.

SC.15.1	Tomas Morales De Luna Generalization of Exner models for for bedload sediment transport in shallow water
SC.15.2	Arya Chandra Zipper Fractal Interpolation Function
SC.15.3	Boniface Nkemzi Predictor-corrector p- and hp-versions of the finite element method for Poisson's equation in polygonal domains
SC.15.4	Daisuke Tagami Numerical analysis of a generalized particle method for the convection-diffusion equation
SC.15.5	Eduardo Abreu A high order conservative finite element formulation for Darcy flow problem
SC.15.6	El Bekkaye Mermri Analysis and numerical study of a mixed formulation of a tow membranes problem
SC.15.7	Jean Rodolphe Roche A Numerical method for Full-wave simulation in a tokamak.
SC.15.8	Marie Farge Energy dissipation caused by boundary layer instability at vanishing viscosity
SC.15.9	Nahuel Caruso The Localized Regular Dual Reciprocity Method (LRDRM) for PDE initial value problems
SC.15.10	Neelam Choudhary Effects of baffle on reducing liquid sloshing in a tank

Time	Room 211 A	Section	Room 211 B	Section	Room 212 A	Section
	Chair: Felipe Gonçalves		Chair: Guilherme Reis		Chair: Giane Rampasso	
15:00-15:20	Jean Carlo Guella	SC.8.11	Stanislav Minsker	SC.12.1	Tomas Morales De Luna	SC.15.1
15:20-15:40	Jorge C. Buescu	SC.8.12	Xiao Fang	SC.12.2	Arya Chandra	SC.15.2
15:40-16:00	Kamran Sharifi	SC.8.13			Boniface Nkemzi	SC.15.3
16:00-16:20	Karen L. Avetisyan	SC.8.14	Atinuke Adebajji	SC.12.4	Daisuke Tagami	SC.15.4
16:20-16:40						
16:40-17:00	Kourosh Nourouzi	SC.8.15	Bernardo Nunes Borges De Lima	SC.12.5	Eduardo Abreu	SC.15.5
17:00-17:20	Luiz Hartmann	SC.8.16	Budi Nurani Ruchjana	SC.12.6	El Bekkaye Mermri	SC.15.6
17:20-17:40	Maria Eugenia Cejas	SC.8.17	Derya Altintan	SC.12.7	Jean Rodolphe Roche	SC.15.7
17:40-18:00	Cheikh Ould Hamoud	SC.8.41			Marie Farge	SC.15.8