

	Mercredi 19	Jeudi 20	Vendredi 21	
09:30		Nicholas Kevlahan – 9:15 → 10:00 Towards a wavelet-based dynamically adaptive climate model	Marcela Szopos – 9:15 → 10:00 On the mathematical and computational modeling of biofluids in the brain and in the eye: challenges and opportunities	09:30
10:00	Inscription & Accueil arrivants 9:30 → 10:00			10:00
	Discours de bienvenue	Pause café 10:00 → 10:30	Pause café 10:00 → 10:30	
10:30	Pascal Frey – 10:15 → 11:00 Deux exemples de collaborations autour du calcul scientifique	Bruno Raffin – 10:30 → 11:15 High Performance Data Analysis for Parallel Numerical Simulations	Frédéric Hecht – 10:30 → 11:15 FreeFem++ a toolbox to do solve PDE	10:30
11:00				11:00
11:30	Jean-Luc Guermond – 11:00 → 11:45 Invariant domain preserving approximation and convex limiting for hyperbolic system	Pierre-François Lavallée – 11:15 → 12:00 Évolutions matérielles et logicielles dans un centre national HPC, l'IDRIS.	Frédéric Nataf – 11:15 → 12:00 Méthodes de décomposition de domaine adaptatives	11:30
12:00				12:00
12:30	Repas 11:45 → 13:30	Repas 12:00 → 13:30	Repas 12:00 → 13:30	12:30
13:00				13:00
13:30				13:30
14:00	Ulrich Rüde – 13:30 → 14:15 What is the largest finite element system that we can solve today?	Marc Massot – 13:30 → 14:15 Unified modeling and high performance simulation of two-phase flows: from computational geometry to subscale interface dynamics through high order moment methods	Antoine Tonnoir – 13:30 → 14:15 The Half Spaces Matching method for solving elastodynamic scattering problem in unbounded domain	14:00
14:30	Christian Angelberger – 14:15 → 15:00 LES of non-cyclic flow and combustion in spark-ignition engines	Leonardo Baffico – 14:15 → 15:00 The Stokes equation in a periodically perforated domain with slip boundary condition of friction type on the interface.	Francky Luddens – 14:15 → 15:00	14:30
15:00				15:00
15:30	Pause café 15:00 → 15:30	Pause café 15:00 → 15:30	Pause café 15:00 → 15:30	15:30
16:00	Pierre-Henri Tournier – 15:30 → 16:15 Domain decomposition methods in FreeFem++ with ffdm	Jean-Matthieu Etancelin – 15:30 → 16:15 Reactive flows at pore scale with hybrid computing	Mini cours Freefem++ 15:30 → 17:15	16:00
16:30	Paul Mycek – 16:15 → 17:00 Multilevel Monte Carlo methods for uncertainty quantification			16:30
17:00				17:00
		Repas – 19:30 : Le 6 ^e Sens		