MEETING "HIGH-FREQUENCY ANALYSIS IN NON-LINEAR PDE's, AND APPLICATIONS"

Program

Tue. 17/04

14h00-15h00	R. CARLES	Focalisation d'impulsions non-linéaires radiales dans $\mathbb{R}^{3+1}$
15h15-16h15	D. LANNES	Nonlinearities in Diffractive Optics with Continuous Spectra
17h00-18h00	Th. COLIN	Computation of the interaction of a laser with a gas

Wed. 18/04

09h00-10h00	F. NATAF	Semi-Classical Calculus and a Domain Decomposition Method for a PDE with a Small Parameter
10h15-11h15	M. WILLIAMS	Singular pseudodifferential operators and oscillatory multidimensional shocks
11h30-12h30	E. DUMAS	Title to be precised
14h00-15h00	G. SCHNEIDER	Validity of models for the 2D-water wave problem - The Nonlinear Schrödinger equation
15h15-16h15	J.P. CROISILLE	Diffraction by an immersed elastic wedge

Thu. 19/04

09h00-10h00	L. BERGÉ	Self-guided propagation of femtosecond light pulses in air and in fused silica
10h15-11h15	M. COMBESCURE	Rigorous semiclassical results for the magnetic response of an electron gas
11h30-12h30	Ph. BECHOUCHE	Title to be precised
14h00-15h00	H. LEBLOND	Multiscale expansion plus ...
15h15-16h15	S. LABBÉ	From the quasi-static to the dynamic Maxwell model in micromagnetism

Fri. 20/04

09h00-10h00	J. GARNIER	Soliton propagation in random media
10h15-11h15	C. FERMANIAN	Une formule de Landau-Zener pour les mesures semi-classiques