



## 1st workshop

# Moscow State University – École Centrale de Lyon

December 2010, 13th and 14th



Local Organizers: *Ph. Blanc Benon* and *J.-P. Lohéac*

## Monday December 2010, 13th

[Room 102](#)

Time	Name and Title
10:00 10:30	<b>J.-P. Bertoglio</b> <i>Welcome</i>
10:30 11:00	<b>V.N. Chubarikov</b> Development of I.M. Vinogradov method in analytic number theory
11:00 11:30	<b>V. Georgievskii</b> Integral estimates of stability of flows with complex rheology
11:30 12:00	<b>A.I. Shafarevich</b> Spectral problems for non-selfadjoint operators, quantization of Riemann surfaces and magnetohydrodynamics
12:00 12:30	<b>O.A. Sapozhnikov</b> Group analysis of the Khokhlov-Zabolotskaya type equations

[Amphi 203](#)

14:00 14:30	<b>J.C. Béra</b> Nonlinear combination of neighbouring frequency components to enhance ultrasonic cavitation activity
14:30 15:00	<b>Ph. Michel</b> Probability model of the growth of small follicles with asymptotic limit to PDE model
15:00 15:30	<b>V. Volpert</b> Hybrid models in biology and medicine
15:30 16:00	<b>M. Marion</b> Reaction-diffusion systems for near-equidiffusional flames

[Amphi 203](#)

16:30 17:00	<b>D. Dragna</b> Time-domain impedance boundary conditions suitable for outdoor sound propagation modeling
17:00 17:30	<b>D.V. Goryashin</b> On the mean values of arithmetical functions and their connection to additive problems
17:30 18:00	<b>G. Guzhvina-Perrot</b> Ricci flow on almost flat manifolds

## Tuesday December 2010, 14th

[Amphi 201](#)

Time	Name and Title
09:30 10:00	<b>V.N. Zadkov</b> Coherent dark resonances: spectroscopy and applications
10:00 10:30	<b>M.V. Averiyanov</b> Propagation of high amplitude acoustic pulses in turbulent air flow: experimental and numerical study
10:30 11:00	<b>S.A. Tsysar</b> Characterization of the cylindrical ultrasonic transducer surface vibration using near and far-field acoustical holography

[Amphi 201](#)

11:30 12:00	<b>A. Zheglov</b> Higher KP hierarchies, commuting differential operators and formal punctured ribbons
12:00 12:30	<b>A.O. Ivanov</b> Optimal connections problems
12:30 13:00	<b>G.P. Panasenko</b> Parallelization of the asymptotic partial domain decomposition in thin tube structures