

# Numerical Analysis AND Optimization Days (JANO'13)

## Khouribga, February 22-24, 2021

### MS5. Inverse Problems, PDEs and their dynamics.

**Organizers:** Abderrahim Azouani (Sultan Moulay Slimane University) &  
Edriss S. Titi (University of Cambridge, UK and Texas A&M University, USA)

**Wednesday, February 24, 2021 (11h-13h & 14h-15h)**

n°	Title and Authours	Time table
1	<b>K. Berdawood</b> , A. Nachaoui, S. Rostome and M. Nachaoui An accelerate alternating iterative algorithm for data completion problem connected with Helmholtz equation	11h-11h10
2	<b>I. Lamrani</b> , I. El Harraki and Fatima-Zahrae El Alaoui Logarithmic decay rates for the Lazer Mckenna suspension bridge equation with one internal damping.	11h15-11h25
3	A.. Azouani, I. Hafidi and <b>Meryem. Abaakil</b> , Feedback control stabilization of the complex Ginzburg-Landau equation in terms of linear matrix inequalities	11h30-11h40
4	<b>M. Abdellaoui</b> and R. Hicham, On a fractional p-Laplace problem with irregular data.	11h45-11h55
5	<b>N. Maaroufi</b> and K. Hilal, Invariant analysis and explicit solutions of some fractional PDEs Models in Financial Mathematics.	11h55-12h05
6	<b>Z. Faiz</b> , H. Benaissa, O. Baiz and D. Elmoutawakil, Inverse Problem with application to contact problem.	12h10-12h20
7	<b>S. Taarabti</b> , Multiplicity of positive solutions for a fractional Laplacian equations.	12h25-12h35
8	<b>A. Sbai</b> and Y. El Hadfi, Existence and uniqueness of solutions for a nonlocal singular elliptic problem in fractional Orlicz Sobolev spaces.	12h40--12h50
9	<b>M. El Ouardy</b> and Y. El Hadfi, Nonlinear parabolic equations with singular lower order term	12h55-13h00
<b>LUNCH BREAK</b>		

10	<b>N. Elharrar</b> , N. Elharrar1 , J. Igbida and H. Talibi On Class of $p(\cdot)$ -Laplace Problem with Singular Nonlinearities.	14h00--14h10
11	<b>O. Lazaar</b> , M. Serhani On the stability analysis of a reaction-diffusion predator-prey model with holling functional response III incorporationg prey refuge.	14h15-14h25
12	<b>F. Ez-zalzouli</b> , Youssef El hadfi and Aziz Ifzarn Regularity results for 2D Muskat equations.	14h30-14h35
13	<b>M. Bouziani</b> , E. Azroul, M. Chrif and R. Bahloul, On quasilinear anisotropic elliptic problems of infinite order for equations with variable exponents involving singularities and $L^1$ -data	14h40--14h50
14	<b>A.Bouhal</b> , Y. El Hadfi and and N.Idrissi Fatmi, Existence and regularity results for parabolic equations with variable exponent and degenerate coercivity	15h55--15h05