







Workshop Program

Place of organization:

- **Monday, May 22 2017: National School of Applied Sciences Fez ([maps](#))**
Tutorial courses and the Plenary Conferences will take place in the conference room.
- **Tuesday and Wednesday, May 23-24 2017: Faculty of Sciences and Techniques Fez ([maps](#))**
Tutorial courses and Plenary Conferences will take place in the conference room.








Monday May 22, 2017		
08 :00 - 09 :30	Welcome Registration & Workshop Opening	
09 :30 - 11 :00 Chair : A. Saka	Tutorial course 1 : Conference Room (ENSA) Title: Assimilation des données pour les problèmes d'évolution M. Asch	
11 :00 - 11 :30	Coffee break	
11 :30 - 13 :00 Chair : A. Saka	Tutorial course 1 : Conference Room (ENSA) Title : Assimilation des données pour les problèmes d'évolution M. Asch	
13 :00 - 14 :00	Lunch	
14 :00 - 15 :30 Chair : E. Azroul	Tutorial course 2 : Conference Room (ENSA) Title: Équations de Navier-Sokes M. El Hammoumi	
15 :30 - 17 :30 Chair : A. Touzani	Tutorial course 3: Conference Room (ENSA) Title : Equations de Stokes et de Navier-Stokes avec des conditions aux limites physiques C. Amrouche	
17 :30 - 18 :00	Coffee break	







Monday May 22, 2017			
Communications 18 :00 - 19 :00	 Presentation	 Questions	
	Room :1. Chair : E. Azroul	Room :2. Chair : J. Bennouna	Room :3. Chair : A. Touzani
	<ol style="list-style-type: none"> A. Mennouni On solving some integral equations appearing in continuum mechanics S. Bakht, N. Idrissi Fatmi Study of class of reaction-diffusion system: Modelisation, Mathematical Analysis and Numerical Simulation A. Hakem Global existence and Asymptotic stability for a coupled visco elastic wave equation with a time-varying delay term H. Torbi, N.Salhi , H.Talbi Numerical resolution of unsteady Navier Stokes equations by finite volume N. Idrissi Fatmi A model of Nickel-Iron alloy electrode position on rotating disk electrode The global existence in the quadratic case 	<ol style="list-style-type: none"> J. Eddaoudy, T. Bouziane study of different materials by numerical meshless method (LRPIM) A. Asserghine, M. El Kaouini, H. Chatei Numerical Modeling of Q- nonextensive Plasma Sheath M. Grari, Z. CifAllah Numerical modeling of Plasma discharge in Capacitive Coupled Plasma reactor K. Chahour, R. Aboulaich, A. Habbalb, C. Abdelkhirane Numerical simulation of the fractional flow reserve FFR M.R. Amattouch, H. Belhadj, N. Nagid A modified fixed point method for the transport equation in porous media 	<ol style="list-style-type: none"> R. Hajjami, A.Lahrouz, M.El Jarroudi Stability and Hopf bifurcation of a Delayed Epidemic Model With Vaccination A. Boukhsas, A. Zerouali , O. Chakrone , B. Karim Generalized eigenvalue problems for (p, q)-Laplacian with Nonlinear Boundary Conditions and indefinite weight A. Nagib, M.D.M. Alaoui, A. Touzani, A. El Khalil Solutions for eigenvalue problems involving (p(x), q(x))-Laplace Operators O. Sidi Hamed, E. Essoufi Inverse diffusion problems for degenerate/singular parabolic equations








Tuesday May 23, 2017	
08 :00 - 09 :00	Welcome Registration & Workshop Opening
09 :00 - 10 :45 Chair : A. Benkirane	Conference: Conference Room (FST) Title : Initial trace of positive solutions of some nonlinear diffusion equations L. Véron <div style="text-align: right;"></div>
10 :45 - 11 :00	Coffee break
11 :00 - 12 :45 Chair : D. Meskine	Conference: Conference Room (FST) Title : Non-Newtonian fluids in the setting of Orlicz spaces. A. Świerczewska-Gwiazda <div style="text-align: right;"></div>
12 :45 - 15 :00	Lunch








Tuesday May 23, 2017	
15 :00 - 16 :30 Chair : A. Benkirane	Conference: Conference Room (FST) Title : Elliptic and parabolic problems in Orlicz spaces. P. Gwiazda <div style="text-align: right;"></div>
Communications 16 :30 - 18 :45	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Presentation </div> <div style="text-align: center;">  Questions </div> </div>
	Room :1. Chair : S. El Wardi
	Room :2. Chair : J. Bennouna
	<div style="display: flex;"> <div style="flex: 1; padding-right: 10px;"> <ol style="list-style-type: none"> 1. Y. Ahmida, A. Youssfi Some approximation results in Musielak-Orlicz spaces 2. A. El Akkad, A. ElKhalfi, A Posteriori Error Estimator for Unsteady Navier- Stokes equations 3. M.M. Ould Khatri, A. Youssfi On a boundary trace embedding result in Musielak-Orlicz spaces and application 4. M. El Massoudi, A. Aberqi, J. Bennouna Nonlinear elliptic unilateral problems in Musielak spaces 5. O.S.M. Deval, A. Benkirane, M. Ait Khellou On the regularity of solutions to the Poisson equation in Musielak-Orlicz spaces 6. S. Taarabti, Z. El Allali , K. Ben Haddouch Multiple solutions for nonlocal fourth-order systems of $(p(x), q(x))$-Kirchhoff type 7. M. Bouallala, M. Alaoui, El-H. Essoufi On convergence of the penalty method for Signorini's problem with Tresca's friction in thermo-electro-viscoelasticity </div> <div style="flex: 1;"> <ol style="list-style-type: none"> 1. M. Dammak, M. El Ghord, S. Kharrati Biharmonic equations with asymptotically linear nonlinearities and Steklov boundary conditions 2. M. Abdellaoui, E. Azroul Non-linear elliptic problems with no continuous lower order terms in generalized Sobolev spaces 3. A. Saidi, O. Chadli An equilibrium problem approach for the existence of anti-periodic solutions for nonlinear implicit evolution equations 4. Talha, A. Benkirane, M. El Mounni Existence of Renormalized Solutions for Some Elliptic Problems in Musielak-Orlicz spaces 5. A. El Mahraoui, A.R. El Amrous, Infinitely many solutions of anisotropic problems with variable exponents 6. R. Jaidane, M. Dammak, C. Jerbi Positive solutions for an asymptotically linear biharmonic problem </div> </div>
18 :45 - 19 :00	Coffee break









Wednesday May 24, 2017

08 :45 - 10 :15 Chair : A. Touzani	Conference: Conference Room (FST) Title :Dynamics and effective viscosity of spherical magnetotactic bacterium suspensions M. Guedda	
10 :15 - 10 :30 Coffee break		
10 :30 - 12 :30 Communications	 Presentation	 Questions
	Room :1. Chair : E. Azroul	Room :2. Chair : A. Touzani
	<ol style="list-style-type: none"> 1. A. Jabbour, A. Boudi Global existence and numerical simulation of shearing motions of viscoelastic fluids of Oldroyd type 2. L. Kabboura, A. Boudi Determination of radial stationary solutions of Couette-Taylor flow 3. L. Zmour, A. Boudi Global existence and uniqueness of solutions for non stationary incompressible fluid 4. H. Zouiten, A. Boutoulout, F.Z. El Alaoui On the boundary observability with constraints on the gradient 5. H. Talbi, N. Salhi, H. Torbi Finite volume numerical simulation of free surface flows 6. A. Aberqi, M. Elmassoudi, J. Bennouna On some non-coercive nonlinear elliptic equations, with two lower order terms 	<ol style="list-style-type: none"> 1. A. Qabil, A. Baalal Existence of multiple solutions for a $p(x)$-biharmonic and $p(x)$-Laplacian equation 2. M. El Hawmi, H. Hjjaj, A. Touzani Existence of solution for some nonlinear and non-coercive anisotropic elliptic problem with L^1-data 3. B. Lahmi, A. Youssfi Nonlinear parabolic equations with non standard growth and L^1-data 4. M. Ait Hammou, B. Lahmi, E. Azroul Topological Degree applied to Partial Differential Operators in Sobolev Spaces with Variable Exponent 5. A. Sani, C. Hilmi π-integration: Incontournability of the uniformity on the amplification parameter 6. K. Zaki, H. Redwane Nonlinear parabolic equations with diffuse measure data
12 :30 - 14 :30 Lunch		





Wednesday May 24, 2017

14 :30 - 16 :30 Chair : A. Saka	Conference: Conference Room (FST) Title :Equations de Stokes et de Navier-Stokes avec des conditions aux limites physiques C. Amrouche	
Communications 16 :30 - 18 :00	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  <p>Presentation</p> </div> <div style="text-align: center;">  <p>Questions</p> </div> </div>	
	Room :1. Chair : A. Touzani	Room :2. Chair : J. Bennouna
	<ol style="list-style-type: none"> 1. K. Choukrallah, F. Lmai, S. Derkaoui Development and Characterization of Solar Cells Based on Perovskite Materials 2. S. Touhami, A. Chaira On RKHSs of real harmonic functions on Lipschitz domains 3. S. Ziani, A. Jbari, L. Belarbi Fetal Electrocardiogram Extraction by means of Independent Component Analysis ICA 4. L. Maniar , M. Oumoun Feedback stabilization for affine in the control stochastic systems 5. S. Hadiri Backward Stochastic Differential Equation with Levy Processes and Partial Integro-Differential Equation 6. F. Bakrim, H. El Maroufi, T. Ziad, Parameter Estimation in Stochastic Differential Mixed-Effects Models 	<ol style="list-style-type: none"> 1. R. Bahloul Periodic solutions of partial degenerate differential equations with n delay 2. M. Kabbaj, J. Bennouna, B. Elhamdaoui Non-linear elliptic problems with no continuous lower order terms in generalized sobolev paces 3. A. Sanhaji, A. Dakkak Nonresonance Conditions on the Potential for a Neumann Problem 4. Y. Errai, Marhrani , Aamri Generalized contractions on two partial metricspaces 5. D. Hajira, A. Chahbi, S. Kabbaj, Stability of generalized quadratic functional equation on a set of measure zero 6. M. Ousbika, Z. El Allali Multiple solutions for a discrete fourth order boundary value problem with three parametres
18 :00 - 18 :30	Coffee break	

