Numerical Analysis and Optimization Days (JANO'13)
KHOURIBGA, FERBRUARY 22-24, 2021

MS7. Numerical Analysis and Scientific Computing. Organizers: **Alain Brillard (**University of Upper Alsace, France**)** **Monday, February 22, 2021 (14h--16h & 16h--18h)**		
n°	**Title and Authors**	**Time table**
1	A. Derbazi and **M. Dalah,** A coupled Finite Element Method and Multi-Grid Method for Static Contact Problems with Friction	14h00-14h10
2	**M. Benzakour Amine**, A Linearised Implicit Method for chemotaxis models.	14h15--14h25
3	A. Driouch, **H. Khalfi**, A Multigrid Pseudo-spectral Method for Nonlinear Surface Growth Model.	14h30--14h40
4	C. Allouch, **I. Hamzaoui** and M. Tahrichi, Asymptotic error analysis of Kantorovich and degenerate kerenel methods for Fredholm integral equations.	14h45--14h55
5	**A. Semmouri**, M. Jourhmane, B-Splines method for solving the one-dimensional Stefan problem.	15h00--15h10
6	**Y. Bouchaouata**, A. Timesli**,** Bending analysis of CNT reinforced composite skew plates using finite difference method.	15h15--15h25
7	**A. Bendaraa**, M. Harchaoui, A. Toulil , H. Kharouji, My. M. Charafi, A. Hasnaoui, Deterministic and Stochastic methods to solve the fins effect on mixed convection phenomenon inside a square cavity filled with air.	15h30--15h40

8	**M. Ait Ichou,** H. El Amri, A. Ezziani. Mathematical modeling of wave propagation in viscoelastic media with the fractional Zener model.	15h45--15h55
	COFFEE BREAK	
9	**H. Akil**, N. Fatmi Idrissi, Mathematical modelling of breast cancer : Estrogen and keto diet effects.	16h00--16h10
10	**O. Dadah,** H. Ait Rimouchi and A. Mousrij Method of reanalysis after reconstitution of the dynamic flexibility matrix for a modified dissipative system	16h15--16h25
11	A. Lamnii, **M. Y. Nour,**, D. Sbibih and A. Zidna Non-uniform subdivision scheme of wB-spine curves and surfaces with variable parameters.	16h30--16h40
12	**M. Janane Allah,** Y. Belaasilia and A. Timesli, Nonlinear dynamic analysis of functionally graded plates with the various FGM laws using TSDT theory.	16h45--14h55
13	**C. Chahbi,** A. El Hamidi, C. Abchir, Numerical method for high dimensional problems : Proper Generalized Decomposition (PGD)	16h00--17hh10
14	**M. Mouda,** M. Nabhani, M. El Khlifi, Numerical modeling of roughness effects on MHD squeeze film of non-parallel plates using homogenization method	17h15--17h25
15	**S. Belkadi,** M. Atounti, Second order Godunov-type central schemes for one dimension nonlocal conservation laws.	17h30--17h40
16	**I.Sama,** A. El Ghoulbzouri, Vibration Analysis of Sandwich plates in FGM using a rigid and homogeneous core.	17h45--17h55