Programme J2SD$_{2021}$

Jeudi 25 novembe 2021

14:00 – 15:00	**Inscription**
15:00 – 16:30	**Cérémonie d'ouverture**
16:30 – 17:00	**Pause Café**
17:00 – 18:00	**Conférence plénière :** ***Viability and systems theories*** **Pr. Khalid KASSARA (Faculté des Sciences Ain Chock. UH2C, Casablanca)** **Chair : Pr. Larbi Afifi**

Vendredi 26 november 2021

<table>
<tr><td>08:30 – 09:30</td><td colspan="3">Conférence plénière : Partial differential equations and applications
Pr. Driss MESKINE (Ecole supérieure de technologie. UCAM, Essaouira)
Chair : Pr. Khalid KASSARA</td></tr>
<tr><td>09:30 – 10:00</td><td colspan="3">Pause Café</td></tr>
<tr><td rowspan="6">10:00 – 12:10</td><td rowspan="6">Soutenance de Thèse
de
Saida Zenfari
Control and Observer design for some port Hamiltonian Systems</td><td>Session 1 : Analyse Numérique et Calcul Scientifique
Chair : Pr. Otmane Souhar
Salle : 1</td><td>Session 1 : Analyse et contrôle des systèmes dynamiques
Chair : Pr. Omar Balatif
Salle : 2</td></tr>
<tr><td>10 :00 - 10 :20, Maryam Boubekraoui
Aitken extrapolation method for computing the largest Z-eigenvalue of stochastic tensors.</td><td>10 :00 - 10 :20, Hanane FERJOUCHIA
Application of optimal control strategies for physiological model of type 1 diabetes - T1D</td></tr>
<tr><td>10:20 - 10:40, Safaa ELGHARBI
Double exponential Sinc numerical methods for solving the two-dimensional time-dependent Schrödinger equation.</td><td>10:20 - 10:40 , Abed BOULOUZ
Exponential stability of boundary control systems with dynamic boundary conditions</td></tr>
<tr><td>10:40 - 11:10, Mohamed El Ghomari
Extended block Hessenberg process for the evaluation of Sylvester equations.</td><td>10:40 - 11:10, Amine Elbhih
Exact determination of Maximal Output Admissible Set for a Class of Bilinear Discrete time Systems with application to epidemic models</td></tr>
<tr><td>11 :10 -11 :30, Najoua Siar
Solving Poisson equation with Dirichlet conditions through multimode She pardoperators</td><td>11 :10 -11 :30, Youssef Benfatah
Exact determination of the maximal output set for a class of bilinear systems.</td></tr>
<tr><td></td><td>11 :30-11 :50, MY Hachem Ben Tahir
Existence and uniqueness of nonlocal Conformable fractional delay differential systems of order 1</td></tr>
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12:10 – 15:00	**Déjeuner**		
15:00 – 15:20	**Session 2 :** Analyse et contrôle des systèmes dynamiques **Chair : Pr. Abdelmoula El Bouhtouri** **Amphi CED**	**Session 1 : Equations aux dérivées partielles et applications** **Chair : Pr Mostafa El Moumni** **Salle : 1**	**Session 3 :** Analyse et contrôle des systèmes dynamiques **Chair : Pr. Mohammed Laabissi** **Salle : 2**
15:20-15:40	**Ahmat MAHAMAT Taboye**, Exponential stabilization of a linear korteweg-de vries equation with input saturation	**Zahra El Majouti,** A meshless method based on moving least squares scheme to approximate the solution of stochastic integro-differentiale quations	**Hanaa ZITANE,** Output feedback stabilization of fractional distributed parameter systems
15:40-16:10	**Bouchaib khajji,** Mathematical Modeling and Analysis of an Alcohol Drinking Model with the Influence of Alcohol Treatment Centers	**Mohammed Kriche**, Existence of periodic solutions for a class of retarded partial differential equation	**Toufik ENNOUARI**, Positive LQ-optimal control for infinite-dimensional positive linear systems
16:10-16:30	**Hanan NAJIB**, Finite-time stability for a class of unbounded bilinear control systems	**Athmane Boumazourh**, Existence of solutions for a class of fractional Kirchhoff-type sytems in R^N with non-standard growth	**ILYASSE LAMRANI** Rapid stabilizability of parabolic coupled systems via bilinear control
16:30-16:50	**El mostafa Agheddou**, On Enlarged Regional Control Problem For distributed Bilinear Parabolic Systems	**Fatima ELGADIRI**, L'analogue du théorème de Miyachi pour QOLCT	**OUMAIMA MIKRAM**, SpaceVector PWM Control Stategy for the Three-phase of Five-level NPC Inverter
16 :50-17 :20	**Pause Café**		

17 :20-17 :50	**Lahmidani Bouchra**, On HIV model with the CTL response,twosaturated rates and therapy	**Nezha KAMALI**, MULTIPLE SOLUTIONS FOR ANISOTROPIC NONLOCAL PROBLEMS WITH VARIABLE EXPONENTS	**Abdelhadi Abta**, Stability analysis of adelayed sir epidemic model with diffusion and saturated incidence rate
17 :50-18 :10	**Abdellah Lourini**, On the Stabilization for the Abstract LinearBoundary Control Systems	**Mohammed SHIMI**, On a class of non local problems with variable exponent	**Ayoub Cheddour**, Strong Stabilization of infinite-dimensional Bilinear Systems with Time Delay
18 :10-18 :30	**Abdelkarim Akoubi**, On the stabilization of distributed bilinear delay systems	**Hatim Khalid**, Spectra of simplicial complexes Laplacians	**Yassine SABBAR** The evolutionary dynamics of a Non-Linear Stochastic Viral Model with Cytotoxic T Lymphocytes Responsiveness, distributed delay and Lévy noise
18 :30- 18 :50	**Nihale El Boukhari**, Optimal control of a class of bilinear systems with unbounded control operators	**Afaf DAHANI**, Uncertainty principle for the Fractional Jacobi Transform	**Issam Khaloufi**, Théorie du contrôle des systèmes linéaires en dimension infinie
18:50-19:10	**Mohamed Ouhafsa**, Optimal control on the velocity term of the bilinear Von Kármán plate equation	**Mohammed SRATI**, Eigenvalue problems in fractional anisotropic Orlicz-Sobolev spaces	

Samedi 27 november 2021

08:30 – 09:30	**Conférence plénière :** ***Construction Canonique des processus de Markov Processus de Feller et régularité cadlag.*** **Pr. Youssef OUKNINE (Faculté des Sciences Semlalia. UCAM, Marrakech)** **Chair : Pr. Driss MESKINE**
09:30 – 10:00	**Pause Café**

10:00 – 12:10	**Soutenance de Thèse** **de** **Driss Berdouzi** **Commande adaptative sans identification des systèmes à sauts Markoviens**	**Session 1 : Equations aux dérivées partielles et applications** **Chair : Pr. Mohammed Benzakour Amine** **Salle : 1**	**Session 1 :** Modélisation Mathématique **Chair : Pr. Bouchra Abouzaid** **Salle : 2**
		10:00 - 10:20, Ouidad AZRAIBI, Entropy solutions for some non linear elliptic problem via Minty's lemma in Musielak-Orlicz-Sobolev spaces	**10:00 - 10:20, Salim El azami El-idrissi**, An overview of the spread of COVID 19 through a compartmental epidemic model.
		10:20 - 10:40, EL HAJI badr, Existence theorem of entropy solutions for nonlinear elliptic problem with measure data in Musielak –Orlics spaces	**10:20 - 10:40, HASSNAA AKIL**, Mathematical model of ER-Positive breast cancer with keto diet
		10:40 - 11:10, Rachid Bouzyani, On some nonlinear elliptic problems with measure data in Musielak –Orlicz spaces	**10:40 - 11:10, MARWA BELYAMANI**, Modèle bioéconomique des espèces marines
		11:10 - 11:30, NOURDINE EL AMARTY, Renormalized Solutions for a class of non linear elliptic problem with generalized growth and Measure Data in Musielak-Orlicz spaces	**11:10 - 11:30, Driss Kada**, Modélisation mathématique multirégionale en temps discret de la dynamique de la propagation du virus Covid-19 en utilisant contrôle optimal.
		11:30 - 11:50, Abdelmajid EL MOURABIT, Bounded solution of a class of elliptic equations in Orlicz spaces	**11:30 - 11:50, Ismail Labaali**, Randomized methods for tensor-tensor product.
			11:50 - 12:10, Soufiane Yahyaoui, Optimal control problem for unbounded bilinear systems and applications.
12:30 – 15:00	**Cérémonie de clôture et déjeuner**		